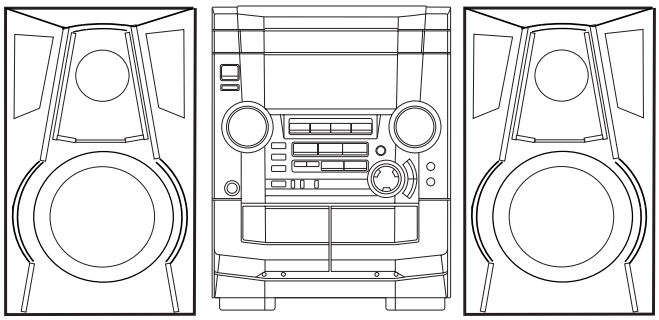
aiwa
SERVICE

NSX-HMA56 U
NSX-DP55 LH,K,EZ



SERVICE MANUAL

CASSETTE DISC
STEREO CASSETTE RECORDER

BASIC TAPE MECHANISM : ZZM-3, 2ZM-3MK2, 6ZM-3
BASIC CD MECHANISM : AZG-1

SYSTEM	CD CASSEIVER	DECK MECHANISM	CD MECHANISM	SPEAKER	REMOTE CONTROLLER
NSX-HMA56	CX-HMA56	U: ZZM-3 PR1NM	USFD: AZG-1 YKZD8RDF AZG-1 YKZA3RDF USC: AZG-1 ZA8RDC USM,LH,EZ,K: AZG-1 ZA3RDM	U: SX-WNAJ50 SX-C605 SX-R275	RC-ZAS15
NSX-DP55	CX-DP55	LH: 2ZM-3MK2 PR4NM EZ,K: 2ZM-3MK2 PR4NM 6ZM-3 PR2NM	LH,EZ,K: AZG-1 ZA3RDM	LH: SX-NSZ52 SX-CR677 EZ,K: SX-NDP54 SX-CR677	

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S/M Code No. 09-007-429-3R1

SPECIFICATIONS

Main unit

FM tuner section

Tuning range 87.5 MHz to 108 MHz

Usable sensitivity (IHF) **U,LH:**13.2 dBf
K,EZ:16.8 dBf

Antenna terminals 75 ohms (unbalanced)

AM Tuner section

Tuning range 530 kHz to 1710 kHz (10 kHz step)
531 kHz to 1602 kHz (9 kHz step)

Usable sensitivity 350 µV/m

Antenna Loop antenna

LW Tuner section (K,EZ)

Tuning range 144 kHz to 290 kHz

sable sensitivity 1400µV/m

Antenna Loop antenna

Amplifier section

Mid-high frequency amplifier <U only>

Power output 25W + 25W (200Hz-20kHz, THD less than 1%, 8 ohms)

Total harmonic distortion 0.1% (15 W,1kHz,8 ohms, DIN AUDIO)

Low frequency amplifier <U only>

Power output 75W + 75W (50Hz-200Hz, THD less than 1%, 6 ohms)

Power output **FRONT:**
LH:
Rated: 65W + 65W
(6 ohms, T.H.D.1%, 1 kHz)
Reference: 80W + 80W
(6 ohms, T.H.D.10%, 1 kHz)
K,EZ:
Rated: 80W + 80W
(6 ohms, T.H.D.1%, 1 kHz/DIN 45500)
Reference: 100W + 100W
(6 ohms, T.H.D.10%, 1 kHz/DIN 45324)
EZ only:
DIN MUSIC POWER: 165W + 165W
Rear (Surround)
U:
25W + 25W (1kHz, THD less than 1%, 8 ohms)
K,EZ:
Rated: 20W + 20W
(8 ohms, T.H.D. 1%, 1kHz/DIN 45500)
Reference: 25W + 25W (8 ohms, T.H.D. 10%, 1kHz/DIN 45324)
EZ only:
DIN MUSIC POWER: 50W + 50W
LH:
Rated: 20W + 20W (8 ohms, T.H.D. 1%, 1kHz)
Reference: 25W + 25W (8 ohms, T.H.D. 10%, 1kHz)
Center
U:
25W (1kHz, THD less than 1%, 8 ohms)
LH:
20W (8 ohms, T.H.D.1%, 1kHz)
Reference: 25W (8 ohms, T.H.D.10%, 1kHz)
K,EZ:
Rated: 20W (8 ohms, T.H.D.1%, 1kHz/DIN 45500)
Reference: 25W (8 ohms, T.H.D.10%, 1kHz/DIN 45324)
EZ only:
DIN MUSIC POWER: 70W

Total harmonic distortion **U:**
0.1% (40 W,130Hz, 6 ohms,DIN AUDIO)
K,EZ:
0.1% (40 W,1kHz, 6 ohms,DIN AUDIO/ Front)
LH:
0.06% (35 W,1kHz,6 ohms,DIN AUDIO)

Inputs VIDEO/AUX : 300mV (adjustable)
MIC : 1.0mV (10 k ohms)

Outputs SPEAKERS HIGH FREQ: U only
accept speakers of 8 ohms or more
SPEAKERS LOW FREQ: U only
accept speakers of 6 ohms or more
SPEAKERS: LH,K,EZ only
accept speakers of 6 ohms or more
SURROUND SPEAKERS:
accept speakers of 8 ohms to 16 ohms
CENTER SPEAKER:
accept speakers of 8 ohms or more
PHONES (stereo jack):
accept headphones of 32 ohms or more
SUB WOOFER: K,EZ only 1.9V

Cassette deck section

Track format 4 tracks, 2 channels stereo

Frequency response 50 Hz - 15000 Hz

Recording system AC bias

Heads Deck 1:Playback head x 1
Deck 2:Recording/playback head x 1, erase head x 1

Compact disc player section

Laser Semiconductor laser (λ = 780 mm)

D/A converter 1 bit dual

Signal-to-noise ratio 85 dB (1 kHz, 0 dB)

Harmonic distortion 0.05 % (1 kHz, 0 dB)

General

Power requirements **U:**120 V AC, 60 Hz
LH:120 V/220 - 230 V/240V AC, switchable, 50/60 Hz
K,EZ:230 V AC, 50 Hz

Power consumption **U:**175 W
LH:190 W
K,EZ:200 W

Power consumption in standby mode ECO OFF : 20 W
ECO ON or ECO AUTO : 0.9 W

Dimensions (W x H x D) 260 x 326 x 395 mm
($10^1/_4$ x $12^7/_8$ x $15^5/_8$ in.)

Weight **U:**10.0kg (22 lb 1 oz.)
LH,K,EZ:10.5kg

Speaker system SX-WNAJ50 <U>

Speaker system 3way, Built-in subwoofer (magnetic shielded type)

Speaker unit Subwoofer:
160 mm ($6\ ^3/_8$ in.) cone type
Full range:
100 mm (4 in.) cone type
Super tweeter:
20 mm ($^{13}/_8$ in.) ceramic type

Impedance 6 ohms/8 ohms

Sensitivity 87 dB/W/m

Dimensions (W x H x D) 240 x 324 x 271 mm
($9^1/_2$ x $12^7/_8$ x $10^3/_4$ in.)

Weight 4.8kg (10 lb 9 oz.)

Speaker system SX-NSZ52 <LH>

Speaker system	3way, bass reflex (magnetic shielded type)
Speaker unit	Woofer: 140 mm cone type Tweeter: 60 mm cone type Super tweeter: 20 mm ceramic type
Impedance	6 ohms
Sensitivity	87 dB/W/m
Dimensions(W x H x D)	232 x 324 x 270 mm
Weight	4.0kg

Speaker system SX-NDP54 <K,EZ>

Speaker system	2way, bass reflex (magnetic shielded type)
Speaker unit	Woofer: 160 mm cone type Tweeter: 60 mm cone type
Impedance	6 ohms
Sensitivity	87 dB/W/m
Dimensions(W x H x D)	240 x 324 x 245 mm
Weight	4.4kg

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Under license from BBE Sound,Inc.

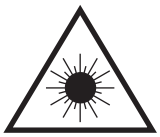
ACCESSORIES / PACKAGE LIST

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8A-NFV-903-110		IB,U(EFS)M<USM,USFD>
1	8A-NFV-913-110		IB,U(EFS)B<USC>
1	8A-NFV-902-010		IB,LH(ESP)M<LH>
1	8A-NFV-905-010		IB,K(E)M<KSM>
1	8A-NFV-915-010		IB,K(E)E<KSE>
1	8A-NFV-906-010		IB,EZ(9L)E<EZSE>
1	8A-NFV-916-010		IB,EZ(9L)M<EZSM>
2	87-043-115-010		FEEDER-ANT,FM<U,LH>
3	87-006-225-010		ANT,LOOP AM NC2
3	87-006-268-010		ANT,LOOP AM<USFD>
3	87-A90-030-010		ANT,LOOP AM-NC C<USC>
4	87-A90-118-010		ANT,WIRE FM(Z)<K,EZ>
⚠ 5	87-A91-017-010		PLUG,CONVERSION JT-0476<LH>
6	8Z-NFV-704-010		RC UNIT,RC-ZAS15

PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

This set employs laser. Therefore, be sure to follow carefully the instructions below when servicing.

WARNING!!
WHEN SERVICING, DO NOT APPROACH THE LASER EXIT WITH THE EYE TOO CLOSELY. IN CASE IT IS NECESSARY TO CONFIRM LASER BEAM EMISSION. BE SURE TO OBSERVE FROM A DISTANCE OF MORE THAN 30cm FROM THE SURFACE OF THE OBJECTIVE LENS ON THE OPTICAL PICK-UP BLOCK.



- Caution: Invisible laser radiation when open and interlocks defeated avoid exposure to beam.
- Advarsel: Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

VAROITUS!
Laiteen Käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saataa altistaa käyt-täjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.

VARNING!
Om apparaten används på annat sätt än vad som specificeras i denna bruksanvising, kan användaren utsättas för osynling laserstrålning, som överskrider gränsen för laserklass 1.

CAUTION
Use of controls or adjustments or performance of procedures other than those specified herin may result in hazardous radiation exposure.

ATTENTION
L'utillisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

ADVARSEL
Usynlig laserstråling ved åbning, når sikkerhedsafbrydereer ude af funktion. Undgå udsættelse for stråling.

This Compact Disc player is classified as a CLASS 1 LASER product.
The CLASS 1 LASER PRODUCT label is located on the rear exterior.

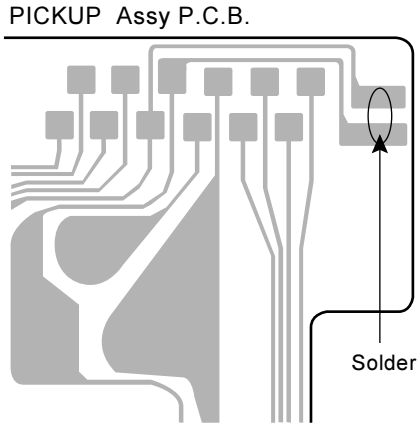
CLASS 1	LASER PRODUCT
KLASSE 1	LASER PRODUKT
LUOKAN 1	LASER LAITE
KLASS 1	LASER APPARAT

Precaution to replace Optical block

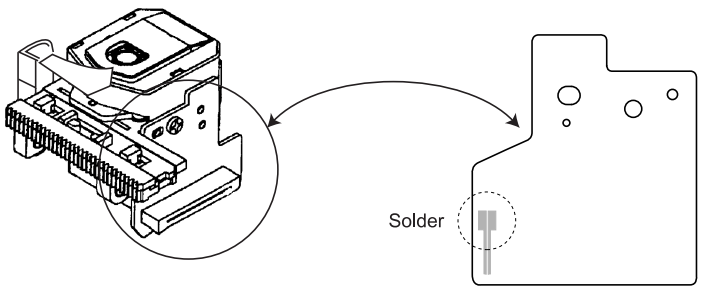
Body or clothes electrostatic potential could ruin laser diode in the optical block. Be sure ground body and workbench, and use care the clothes do not touch the diode.

1) After the connection, remove solder shown in the right figure.

<KSS-213F>



<KSM-880CAB>



NOTE ON BEFORE STARTING REPAIR

1. Forced discharge of electrolytic capacitor of power supply block

When repair is going to be attempted in the set that uses relay circuit in the power supply block, electric potential is kept charged across the electrolytic capacitors (C101, 102) even though AC power cord is removed. If repair is attempted in this condition, secondary defect can occur.
In order to prevent the secondary trouble, perform the following measures before starting repair work.

Discharge procedure

① Remove the AC power cord.
② Connect a discharging resistor at an end of lead wire that has clips at both ends. Connect the other end of the lead wire to metal chassis.
③ Contact the other end of the discharging resistor to the positive (+) side (+VH) of C101. (For two seconds)
④ Contact the same end of the discharging resistor as step ③ to the negative (-) side (-VH) of C102 in the same way. (For two seconds)
⑤ Check that voltage across C101 and C102 has decreased to 1 V or less using a multimeter or an oscilloscope.

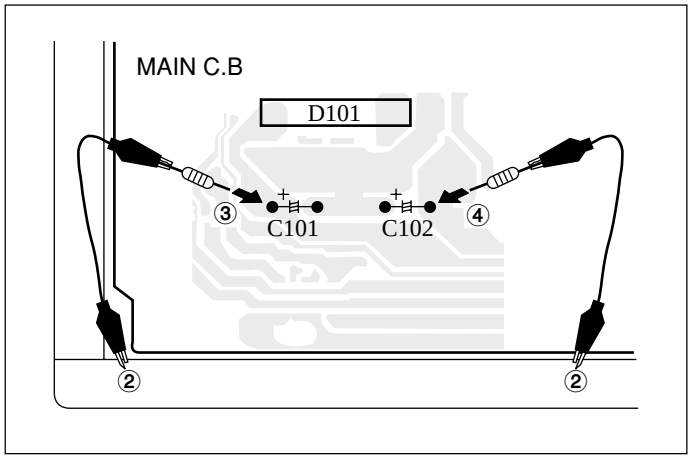


Fig-1

Select a discharging resistor referring to the following table.

Charging voltage (V) (C101, 102)	Discharging resistor (Ω)	Rated power (W)	Parts number
25-48	100	3	87-A00-247-090
49-140	220	5	87-A00-232-090

Note: The reference numbers (C101, C102) of the electrolytic capacitors can change depending on the models. Be sure to check the reference numbers of the charging capacitors on schematic diagram before starting the discharging work.

2. Check items before exchanging the MICROCOMPUTER

Be sure to check the following items before exchanging the MICROCOMPUTER. Exchange the MICROCOMPUTER after confirming that the MICROCOMPUTER is surely defective.

2-1. Regarding the HOLD terminal of the MICROCOMPUTER

When the HOLD terminal (INPUT) of the MICROCOMPUTER is "H", the MICROCOMPUTER is judged to be operating correctly. When this terminal is "L", the main power cannot be turned on. Therefore, be sure to check the terminal voltage of the HOLD terminal before exchange.
When the MICROCOMPUTER is not defective, the HOLD terminal can also go "L" when the POWER AMPLIFIER has any abnormalities that triggers the abnormality detection circuit on the MAIN C. B. that sets the HOLD terminal to "L".

- Good or no good judgement of the MICROCOMPUTER

① Turn on the AC main power.
② Confirm that the main power is turned on and the HOLD terminal of the MICROCOMPUTER keeps the "H" level or not.
③ When the HOLD terminal is "L" level, the abnormality detection circuit is judged to be working correctly and the MICROCOMPUTER is judged to be good.

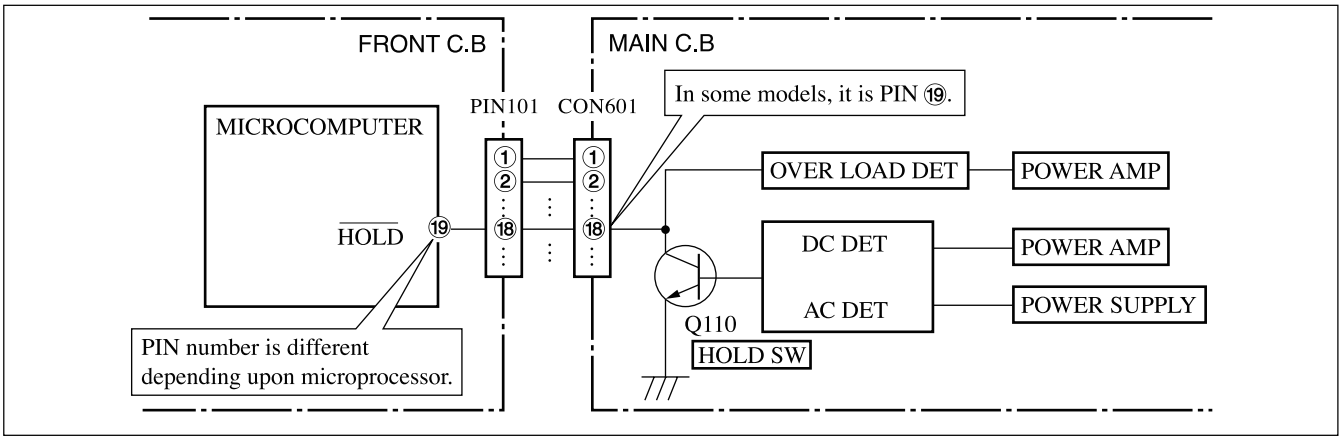


Fig-2-1

In such a case, check also if the POWER AMPLIFIER circuit or power supply circuit has any abnormalities or not.

2-2. Regarding reset

There are cases that the machine does not work correctly because the MICROCOMPUTER is not reset even though the AC power cord is re-inserted, or the software reset (pressing the STOP key + POWER key) is performed.
When the above described phenomenon occurs, it can lead to wrong judgement as if the MICROCOMPUTER is defective and to exchange the MICROCOMPUTER. In such a case, perform the forced-reset by the following procedure and check good or no good of the MICROCOMPUTER.

① Remove the AC power cord.

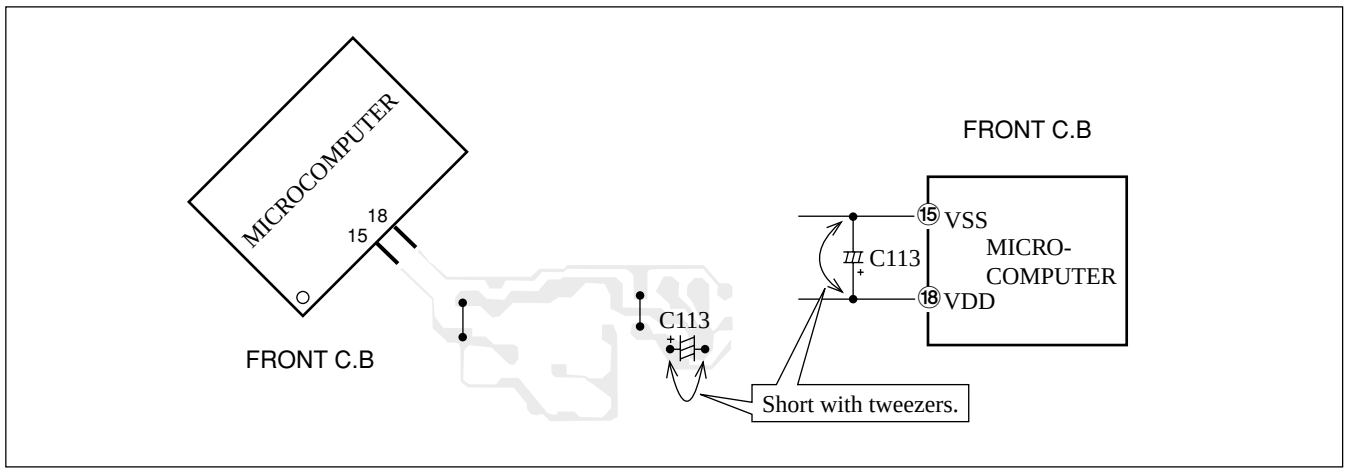


Fig-2-2

② Short both ends of the electrolytic capacitor C113 that is connected to VDD of the MICROCOMPUTER with tweezers.
③ Connect the AC power cord again. If the MICROCOMPUTER returns to the normal operation, the MICROCOMPUTER is good.

Note: The reference number or MICROCOMPUTER pin number of transistor (Q110) and electrolytic capacitor (C113) can change depending on the models. Be sure to check the reference numbers on schematic diagram before starting the discharging work.

2-3. Confirmation of soldering state of MICROCOMPUTER

Check the soldering state of the MICROCOMPUTER in addition to the above described procedures. Be sure to exchange the MICROCOMPUTER after surely confirming that the trouble is not caused by poor soldering but the MICROCOMPUTER itself.

ELECTRICAL MAIN PARTS LIST

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
IC			
	87-020-454-010		IC,DN6851<LH,EZ,K>
	87-A21-398-010		IC,STK490-110<U>
	87-A21-355-010		IC,STK490-140<LH,EZ,K>
	8A-NFV-621-010		C-IC,LC866560W-5R03<LH>
	8A-NFV-620-010		C-IC,LC866560W-5P32<EZ,K,U>
	87-A21-396-010		IC,STK490-040<U>
	87-A21-629-010		IC,SPS-442-1-N
	87-A20-783-040		C-IC,BA7762AFS
	87-A21-097-040		C-IC,M62463AFP
	87-A21-023-040		C-IC,BA3835F
	87-A21-452-030		C-IC,BD3876KS2
	87-070-289-040		IC,BU 2092F
	87-A21-415-010		IC,LA1843
	87-A20-440-040		C-IC,BU1920FS<EZ,K>
	87-070-127-110		IC,LC72131 D
	87-A21-269-010		IC,EW732<U>
TRANSISTOR			
	87-026-463-080		TR,2SA933S
	87-026-245-080		TR,DTC114ES
	87-026-609-080		TR,KTA1266GR
	87-A30-198-080		TR,KTC3199GR
	89-213-702-010		TR,2SB1370 (1.8W)
	87-026-610-080		TR,KTC3198GR
	87-A30-075-080		C-TR,2SA1235F
	87-A30-318-080		TR,CSA952K
	87-A30-076-080		C-TR,2SC3052F
	87-A30-107-070		C-TR,CMBT5401
	87-A30-269-040		C-FET,2SJ461-T1<U>
	87-A30-106-040		C-TR,CMBT5551
	87-A30-087-080		C-FET,2SK2158
	87-A30-074-080		C-TR,RT1P 141C
	87-A30-495-080		TR,2SA1981Y<K,U>
	87-A30-329-080		TR,CD1585BC
	87-A30-073-080		C-TR,RT1N 141C
	87-A30-105-080		C-TR,RT1P 441C
	87-A30-086-040		C-TR,CSD1306E
	87-A30-202-080		C-TR,RT1P441C
	89-327-143-080		TR,2SC2714 (0.1W)
	87-A30-072-080		C-TR,RT1P 144C
	87-A30-086-070		C-TR,CSD1306E<EZ,K>
	89-503-602-080		C-FET,2SK360E<EZ,K>
	87-A30-234-080		TR,CSC4115BC
DIODE			
	87-017-654-060		DIODE,GBU6J
	87-A40-548-090		DIODE,D3SBA20<LH,EZ,K>
	87-020-465-080		DIODE,1SS133 (110MA)
	87-A40-553-080		DIODE,1N4003 LES
	87-A40-776-080		ZENER,UZ27BSD
	87-A40-764-080		ZENER,UZ10BSC
	87-A40-547-090		DIODE,D5SBA20
	87-A40-313-080		C-DIODE,MC 2840
	87-A40-270-080		C-DIODE,MC2838
	87-A40-269-080		C-DIODE,MC2836
	87-A40-768-080		ZENER,UZ16BSA
	87-A40-752-080		ZENER,UZ6.2BSC
	87-A40-760-080		ZENER,UZ9.1BSA
	87-A40-747-080		ZENER,UZ5.1BSB
	87-A40-802-080		ZENER,UZ5.1BSC
	87-A40-745-080		ZENER,UZ4.7BSA
	87-017-149-080		ZENER,HZS6A2L
MAIN C.B			
C3	87-012-368-080		C-CAP,S 0.1-50 F
C4	87-012-368-080		C-CAP,S 0.1-50 F
C21	87-016-658-000		CAP,E 4700-35 M SMG
C22	87-016-658-000		CAP,E 4700-35 M SMG
C25	87-010-406-080		CAP, ELECT 22-50
C26	87-010-406-080		CAP, ELECT 22-50
C27	87-010-406-080		CAP, ELECT 22-50
C28	87-010-406-080		CAP, ELECT 22-50
C31	87-010-263-080		CAP, ELECT 100-10V
C32	87-010-197-080		CAP, CHIP 0.01 DM
C33	87-010-263-080		CAP, ELECT 100-10V<U>
C34	87-010-260-080		CAP, ELECT 47-25V
C35	87-010-406-080		CAP, ELECT 22-50
C36	87-010-381-080		CAP, ELECT 330-16V
C38	87-010-409-080		CAP,E 220-50 SME
C39	87-010-409-080		CAP,E 220-50 SME
C40	87-010-197-080		CAP, CHIP 0.01 DM
C60	87-010-403-080		CAP, ELECT 3.3-50V
C80	87-010-401-080		CAP, ELECT 1-50V<LH,EZ,K>
C81	87-010-383-080		CAP, ELECT 33-25V<LH,EZ,K>
C82	87-010-260-080		CAP, ELECT 47-25V<LH,EZ,K>
C104	87-010-196-080		CHIP CAPACITOR,0.1-25<U>
C105	87-010-196-080		CHIP CAPACITOR,0.1-25<U>
C111	87-010-545-080		CAP, ELECT 0.22-50V<U>
C112	87-010-545-080		CAP, ELECT 0.22-50V<U>
C113	87-010-545-080		CAP, ELECT 0.22-50V<U>
C114	87-010-545-080		CAP, ELECT 0.22-50V<U>
C115	87-010-546-080		CAP, ELECT 0.33-50V<U>
C116	87-010-546-080		CAP, ELECT 0.33-50V<U>
C121	87-010-546-080		CAP, ELECT 0.33-50V<U>
C122	87-010-546-080		CAP, ELECT 0.33-50V<U>
C160	87-012-140-080		CAP 470P<LH,EZ,K>
C161	87-010-176-080		C-CAP,S 680P-50 SL<EZ,K>
C162	87-010-176-080		C-CAP,S 680P-50 SL<EZ,K>
C163	87-010-196-080		CHIP CAPACITOR,0.1-25
C171	87-012-368-080		C-CAP,S 0.1-50 F
C172	87-012-368-080		C-CAP,S 0.1-50 F
C173	87-012-368-080		C-CAP,S 0.1-50 F
C174	87-012-368-080		C-CAP,S 0.1-50 F
C175	87-010-191-080		C-CAP,S 0.015-50 F<EZ,K>
C176	87-010-191-080		C-CAP,S 0.015-50 F<EZ,K>
C177	87-010-197-080		CAP, CHIP 0.01 DM<EZ,K>
C178	87-010-197-080		CAP, CHIP 0.01 DM<EZ,K>
C301	87-010-318-080		C-CAP,S 47P-50 CH
C302	87-010-318-080		C-CAP,S 47P-50 CH
C303	87-012-157-080		C-CAP,S 330P-50 CH
C304	87-012-157-080		C-CAP,S 330P-50 CH
C305	87-012-157-080		C-CAP,S 330P-50 CH
C306	87-012-157-080		C-CAP,S 330P-50 CH
C307	87-010-196-080		CHIP CAPACITOR,0.1-25
C309	87-010-196-080		CHIP CAPACITOR,0.1-25
C310	87-010-196-080		CHIP CAPACITOR,0.1-25
C311	87-010-198-080		CAP, CHIP 0.022
C312	87-010-198-080		CAP, CHIP 0.022
C313	87-010-180-080		C-CER 1500P<EZ,K,U>
C313	87-010-178-080		CHIP CAP 1000P<LH>
C314	87-010-180-080		C-CER 1500P<EZ,K,U>
C314	87-010-178-080		CHIP CAP 1000P<LH>
C315	87-010-182-080		C-CAP,S 2200P-50 B<EZ,K,U>
C315	87-010-178-080		CHIP CAP 1000P<LH>
C316	87-010-182-080		C-CAP,S 2200P-50 B<EZ,K,U>
C316	87-010-178-080		CHIP CAP 1000P<LH>
C321	87-012-142-080		CAP, S 0.33-16
C322	87-012-142-080		CAP, S 0.33-16
C324	87-010-260-080		CAP, ELECT 47-25V
C325	87-010-370-080		CAP,E 330-6.3 SME
C327	87-010-404-080		CAP, ELECT 4.7-50V
C328	87-010-404-080		CAP, ELECT 4.7-50V
C332	87-010-196-080		CHIP CAPACITOR,0.1-25
C335	87-010-401-080		CAP, ELECT 1-50V
C336	87-010-401-080		CAP, ELECT 1-50V

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C337	87-010-196-080		CHIP CAPACITOR,0.1-25
C339	87-010-196-080		CHIP CAPACITOR,0.1-25
C340	87-010-196-080		CHIP CAPACITOR,0.1-25
C351	87-012-140-080		CAP 470P
C352	87-012-140-080		CAP 470P
C354	87-010-175-080		CAP 560P
C355	87-010-178-080		CHIP CAP 1000P
C356	87-010-260-080		CAP, ELECT 47-25V
C357	87-010-197-080		CAP, CHIP 0.01 DM
C358	87-010-183-080		C-CAP,S 2700P-50 B
C359	87-010-183-080		C-CAP,S 2700P-50 B
C360	87-010-183-080		C-CAP,S 2700P-50 B
C370	87-010-196-080		CHIP CAPACITOR,0.1-25
C373	87-A11-177-080		C-CAP,S 0.15-16 K B
C374	87-A11-177-080		C-CAP,S 0.15-16 K B
C378	87-010-196-080		CHIP CAPACITOR,0.1-25
C379	87-010-382-080		CAP, ELECT 22-25V
C380	87-010-382-080		CAP, ELECT 22-25V
C386	87-010-196-080		CHIP CAPACITOR,0.1-25
C388	87-012-156-080		C-CAP,S 220P-50 CH
C391	87-010-319-080		C-CAP,S 56P-50 CH
C392	87-010-319-080		C-CAP,S 56P-50 CH
C393	87-010-319-080		C-CAP,S 56P-50 CH
C394	87-010-319-080		C-CAP,S 56P-50 CH
C401	87-010-176-080		C-CAP,S 680P-50 SL
C402	87-010-176-080		C-CAP,S 680P-50 SL
C403	87-010-958-080		CHIP -CAP,S 0.01-25BJ
C404	87-010-958-080		CHIP -CAP,S 0.01-25BJ
C405	87-010-958-080		CHIP -CAP,S 0.01-25BJ
C406	87-010-958-080		CHIP -CAP,S 0.01-25BJ
C407	87-010-401-080		CAP, ELECT 1-50V
C408	87-010-401-080		CAP, ELECT 1-50V
C409	87-010-196-080		CHIP CAPACITOR,0.1-25<LH,U>
C409	87-010-197-080		CAP, CHIP 0.01 DM<EZ,K>
C410	87-010-112-080		CAP, ELECT 100-16V
C411	87-010-400-080		CAP, ELECT 0.47-50V
C412	87-010-400-080		CAP, ELECT 0.47-50V
C413	87-010-400-080		CAP, ELECT 0.47-50V
C414	87-010-401-080		CAP, ELECT 1-50V
C417	87-010-221-080		CAP, ELECT 470-10V
C418	87-A10-891-080		CAP,E 4.7-25 SME(K)
C419	87-A10-800-080		C-CAP,S 6800P-16 J B CM
C420	87-010-374-080		CAP, ELECT 47-10V
C421	87-010-196-080		CHIP CAPACITOR,0.1-25<LH,U>
C421	87-010-197-080		CAP, CHIP 0.01 DM<EZ,K>
C422	87-A10-804-080		C-CAP,S 0.1-25 J B
C424	87-010-374-080		CAP, ELECT 47-10V
C425	87-010-196-080		CHIP CAPACITOR,0.1-25
C429	87-010-544-080		CAP, ELECT 0.1-50V
C430	87-A10-201-080		C-CAP,S0.33-16 KB
C431	87-010-971-080		C-CAP,S 4700P-50 B J
C432	87-012-349-080		C-CAP,S 1000P-50 CH
C433	87-A11-183-080		C-CAP,S 0.12-16 J B
C434	87-A11-182-080		C-CAP,S 0.27-16 J B
C435	87-A11-182-080		C-CAP,S 0.27-16 J B
C437	87-010-971-080		C-CAP,S 4700P-50 B J
C438	87-012-349-080		C-CAP,S 1000P-50 CH
C439	87-010-805-080		CAP, S 1-16
C440	87-010-401-080		CAP, ELECT 1-50V
C441	87-A10-799-080		C-CAP,S 5600P-16 J B CM
C442	87-A10-802-080		C-CAP,S 0.047-16 J B CM
C443	87-A10-229-080		C-CAP,S 0.68-10 K W5
C444	87-012-393-080		C-CAP,S 0.22-16 R K
C445	87-012-393-080		C-CAP,S 0.22-16 R K
C446	87-010-404-080		CAP, ELECT 4.7-50V
C447	87-010-404-080		CAP, ELECT 4.7-50V
C448	87-012-393-080		C-CAP,S 0.22-16 R K
C449	87-012-393-080		C-CAP,S 0.22-16 R K
C450	87-016-081-080		C-CAP,S 0.1-16 RK
C451	87-A10-802-080		C-CAP,S 0.047-16 J B CM
C452	87-A10-802-080		C-CAP,S 0.047-16 J B CM
C453	87-016-081-080		C-CAP,S 0.1-16 RK
C454	87-016-081-080		C-CAP,S 0.1-16 RK
C455	87-A10-801-080		C-CAP,S 0.022-16 J B CM
C456	87-A10-801-080		C-CAP,S 0.022-16 J B CM
C457	87-016-081-080		C-CAP,S 0.1-16 RK
C489	87-010-545-080		CAP, ELECT 0.22-50V
C492	87-010-545-080		CAP, ELECT 0.22-50V
C531	87-010-405-080		CAP, ELECT 10-50V
C532	87-010-196-080		CHIP CAPACITOR,0.1-25
C533	87-010-196-080		CHIP CAPACITOR,0.1-25
C534	87-012-156-080		C-CAP,S 220P-50 CH
C535	87-010-178-080		CHIP CAP 1000P
C536	87-010-196-080		CHIP CAPACITOR,0.1-25
C541	87-010-178-080		CHIP CAP 1000P
C609	87-010-181-080		CAP,CHIP S 1800P
C610	87-010-181-080		CAP,CHIP S 1800P
C611	87-010-598-080		C-CAP,S 0.068-16VRK
C612	87-010-369-080		C-CAP,S 0.033-25 K B
C613	87-010-197-080		CAP, CHIP 0.01 DM
C614	87-016-081-080		C-CAP,S 0.1-16 RK
C616	87-010-184-080		CHIP CAPACITOR 3300P(K)
C617	87-010-194-080		CAP, CHIP 0.047
C618	87-010-401-080		CAP, ELECT 1-50V
C619	87-010-263-080		CAP, ELECT 100-10V
C620	87-016-081-080		C-CAP,S 0.1-16 RK
C621	87-010-197-080		CAP, CHIP 0.01 DM
C623	87-010-401-080		CAP, ELECT 1-50V
C624	87-010-401-080		CAP, ELECT 1-50V
C626	87-010-596-080		CAP, S 0.047-16
C627	87-010-400-080		CAP, ELECT 0.47-50V
C628	87-010-400-080		CAP, ELECT 0.47-50V
C629	87-010-596-080		CAP, S 0.047-16
C630	87-010-263-080		CAP, ELECT 100-10V
C631	87-010-185-080		C-CAP,S 3900P-50 B
C632	87-010-185-080		C-CAP,S 3900P-50 B
C634	87-010-196-080		CHIP CAPACITOR,0.1-25
C635	87-A10-307-080		CAP,M 0.1-50 J
C636	87-A10-307-080		CAP,M 0.1-50 J
C637	87-A10-307-080		CAP,M 0.1-50 J
C638	87-A10-307-080		CAP,M 0.1-50 J
C639	87-010-405-080		CAP, ELECT 10-50V
C643	87-010-196-080		CHIP CAPACITOR,0.1-25
C644	87-010-401-080		CAP, ELECT 1-50V
C671	87-010-322-080		C-CAP,S 100P-50 CH
C672	87-010-322-080		C-CAP,S 100P-50 CH
C673	87-010-197-080		CAP, CHIP 0.01 DM
C679	87-010-196-080		CHIP CAPACITOR,0.1-25
C680	87-010-190-080		S CHIP F 0.01
C682	87-010-196-080		CHIP CAPACITOR,0.1-25
C685	87-010-190-080		S CHIP F 0.01
C771	87-010-263-080		CAP, ELECT 100-10V
C772	87-010-197-080		CAP, CHIP 0.01 DM
C779	87-010-426-080		C-CAP,S 0.012-25 B<LH,U>
C779	87-010-188-080		CAP,CHIP 6800P<EZ,K>
C780	87-010-426-080		C-CAP,S 0.012-25 B<LH,U>
C780	87-010-188-080		CAP,CHIP 6800P<EZ,K>
C782	87-010-197-080		CAP, CHIP 0.01 DM
C783	87-010-197-080		CAP, CHIP 0.01 DM
C784	87-010-197-080		CAP, CHIP 0.01 DM
C785	87-010-197-080		CAP, CHIP 0.01 DM
C786	87-010-197-080		CAP, CHIP 0.01 DM
C788	87-010-149-080		C-CAP,S 5P-50 CH
C789	87-A10-592-080		C-CAP,S 0.015-50 J B
C790	87-A10-592-080		C-CAP,S 0.015-50 J B
C791	87-010-196-080		CHIP CAPACITOR,0.1-25
C792	87-010-197-080		CAP, CHIP 0.01 DM
C793	87-010-404-080		CAP, ELECT 4.7-50V
C794	87-012-155-080		C-CAP 180P-50CH<EZ,K>
C795	87-010-197-080		CAP, CHIP 0.01 DM

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C796	87-010-197-080		CAP, CHIP 0.01 DM
C797	87-010-405-080		CAP, ELECT 10-50V
C798	87-010-197-080		CAP, CHIP 0.01 DM
C799	87-010-407-080		CAP, ELECT 33-50V
C800	87-010-194-080		CAP, CHIP 0.047
C801	87-010-403-080		CAP, ELECT 3.3-50V
C802	87-010-194-080		CAP, CHIP 0.047
C803	87-010-198-080		CAP, CHIP 0.022
C804	87-010-263-080		CAP, ELECT 100-10V
C807	87-010-400-080		CAP, ELECT 0.47-50V
C808	87-010-401-080		CAP, ELECT 1-50V
C809	87-010-401-080		CAP, ELECT 1-50V
C810	87-010-196-080		CHIP CAPACITOR,0.1-25
C811	87-010-403-080		CAP, ELECT 3.3-50V
C812	87-010-403-080		CAP, ELECT 3.3-50V
C814	87-010-197-080		CAP, CHIP 0.01 DM
C815	87-010-400-080		CAP, ELECT 0.47-50V
C816	87-010-400-080		CAP, ELECT 0.47-50V
C818	87-010-180-080		C-CER 1500P<EZ,K>
C821	87-010-405-080		CAP, ELECT 10-50V
C823	87-012-349-080		C-CAP,S 1000P-50 CH<EZ,K>
C823	87-010-177-080		C-CAP,S 820P-50 SL<LH,U>
C824	87-010-404-080		CAP, ELECT 4.7-50V<LH,K,U>
C824	87-010-405-080		CAP, ELECT 10-50V<EZ>
C825	87-010-596-080		CAP, S 0.047-16
C831	87-010-406-080		CAP, ELECT 22-50<EZ,K>
C842	87-010-197-080		CAP, CHIP 0.01 DM
C843	87-010-197-080		CAP, CHIP 0.01 DM
C844	87-010-197-080		CAP, CHIP 0.01 DM
C845	87-010-197-080		CAP, CHIP 0.01 DM
C846	87-010-197-080		CAP, CHIP 0.01 DM
C847	87-010-197-080		CAP, CHIP 0.01 DM
C848	87-010-197-080		CAP, CHIP 0.01 DM
C849	87-010-197-080		CAP, CHIP 0.01 DM
C850	87-010-260-080		CAP, ELECT 47-25V
C851	87-010-197-080		CAP, CHIP 0.01 DM
C852	87-010-197-080		CAP, CHIP 0.01 DM
C853	87-010-197-080		CAP, CHIP 0.01 DM
C858	87-010-196-080		CHIP CAPACITOR,0.1-25
C859	87-010-196-080		CHIP CAPACITOR,0.1-25
C860	87-010-197-080		CAP, CHIP 0.01 DM
C869	87-010-197-080		CAP, CHIP 0.01 DM<EZ,K>
C871	87-012-156-080		C-CAP,S 220P-50 CH<EZ,K>
C872	87-012-156-080		C-CAP,S 220P-50 CH<EZ,K>
C873	87-012-140-080		CAP 470P<EZ,K>
C874	87-010-405-080		CAP, ELECT 10-50V<EZ,K>
C875	87-010-196-080		CHIP CAPACITOR,0.1-25<EZ,K>
C876	87-010-405-080		CAP, ELECT 10-50V<EZ,K>
C877	87-010-197-080		CAP, CHIP 0.01 DM<EZ,K>
C878	87-010-316-080		C-CAP,S 33P-50 CH<EZ,K>
C879	87-010-314-080		C-CAP,S 22P-50V<EZ,K>
C940	87-010-197-080		CAP, CHIP 0.01 DM<EZ,K>
C942	87-010-149-080		C-CAP,S 5P-50 CH<EZ,K>
C947	87-010-197-080		CAP, CHIP 0.01 DM<EZ,K>
C948	87-012-140-080		CAP 470P<EZ,K>
C952	87-010-197-080		CAP, CHIP 0.01 DM<EZ,K>
C957	87-010-311-080		CAP 12P<EZ,K>
C958	87-010-197-080		CAP, CHIP 0.01 DM<EZ,K>
C959	87-010-196-080		CHIP CAPACITOR,0.1-25
C960	87-010-196-080		CHIP CAPACITOR,0.1-25
C961	87-010-152-080		C-CAP,S 8P-50 CH<LH,U>
C962	87-010-401-080		CAP, ELECT 1-50V<EZ,K>
C963	87-015-785-080		CHIP CAPACITOR, 0.1FZ-25Z
C971	87-010-381-080		CAP, ELECT 330-16V
C972	87-010-404-080		CAP, ELECT 4.7-50V
C973	87-010-197-080		CAP, CHIP 0.01 DM
C974	87-010-197-080		CAP, CHIP 0.01 DM
C979	87-010-322-080		C-CAP,S 100P-50 CH
C981	87-010-260-080		CAP, ELECT 47-25V
C982	87-010-196-080		CHIP CAPACITOR,0.1-25
C983	87-010-197-080		CAP, CHIP 0.01 DM
C984	87-010-197-080		CAP, CHIP 0.01 DM
C985	87-010-322-080		C-CAP,S 100P-50 CH<EZ,K>
C987	87-010-197-080		CAP, CHIP 0.01 DM
C989	87-010-197-080		CAP, CHIP 0.01 DM<EZ,K>
C991	87-010-312-080		C-CAP,S 15P-50 CH
C992	87-010-312-080		C-CAP,S 15P-50 CH
C993	87-010-178-080		CHIP CAP 1000P
C995	87-010-178-080		CHIP CAP 1000P
C997	87-010-196-080		CHIP CAPACITOR,0.1-25
C998	87-010-260-080		CAP, ELECT 47-25V
C999	87-A11-155-080		CAP,TC U 0.01-16 Z F
CF831	87-008-423-010		CERAMIC FILTER, SFE10.7<EZ,K>
CF831	87-008-261-010		FILTER, SFE10.7MA5-A<LH,U>
CF832	82-785-747-010		CF MS2 GHY R<EZ,K>
CF832	87-008-261-010		FILTER, SFE10.7MA5-A<LH,U>
CN1	87-A60-996-010		CONN,13P V BLK TAC-L13X-A3
CN91	87-A60-109-010		CONN,2P V S2M-2W<LH,EZ,K>
CN101	87-A60-996-010		CONN,13P V BLK TAC-L13X-A3
CN301	87-099-827-010		CONN,3P S2M-3W
CN351	87-099-832-010		CONN,8P S2M-8W
CN601	87-099-719-010		CONN,30P TYK-B(X)
CN602	87-099-194-010		CONN,6P 6216V
CNA1	8A-NF8-653-010		CONN ASSY,9P TID-A(480)
CNA2	8A-NF6-630-010		CONN ASSY,3P (VM) ANF-6<LH,EZ,K>
FB162	87-008-474-080		F-BEAD,EMI BL02RN1<EZ,K>
FB301	87-008-372-080		FILTER, EMI BL01 RN1<EZ,K>
FFE831	A8-6ZA-191-130		6ZA-1 FEENM<EZ,K>
FFC602	88-906-251-110		FF-CABLE,6P 1.25
FFE831	A8-8ZA-190-030		8ZA-1 FEUNM<LH,U>
J102	87-A60-238-010		TERMINAL,SP 4P (MSC)
J103	87-A60-483-010		JACK,DIA6.3 BLK ST W/S KM
J604	87-A60-881-010		JACK,PIN 2P MSP 242V05 PBSN
J831	87-A60-202-010		TERMINAL,ANT 4P MSP-154V-02<LH,U>
J832	87-A60-403-010		TERMINAL,ANT 2P HSP-312V05<EZ,K>
JW416	87-008-372-080		FILTER, EMI BL01 RN1<EZ,K>
L101	87-003-383-010		COIL,1UH-K
L102	87-003-383-010		COIL,1UH-K
L301	87-A50-049-010		COIL,TRAP 85K(COI)
L302	87-A50-049-010		COIL,TRAP 85K(COI)
L351	87-007-342-010		COIL,OSC 85K BIAS
L801	87-A50-540-010		COIL,FM DET-N(TOK)
L802	87-A91-551-010		FLTR,PCFJZH-450 L(TOK)
L811	87-005-847-080		COIL,2.2UH(CECS)
L832	87-005-847-080		COIL,2.2UH(CECS)
L861	87-005-847-080		COIL,2.2UH(CECS)<EZ,K>
L941	87-A50-020-010		COIL,ANT LW(COI)<EZ,K>
L942	87-A50-019-010		COIL,OSC LW(COI)<EZ,K>
L951	8A-NF8-668-010		COIL,AM PACK 2(TOK)<EZ,K>
L951	8A-NF8-667-010		COIL,AM PACK 4(TOK)<LH,U>
SFR351	87-A90-433-080		SFR,50K H NVZ6TLTA
SFR352	87-A90-433-080		SFR,50K H NVZ6TLTA
TC942	87-011-253-080		TRIMER,30P LAR<EZ,K>
WH1	87-A90-510-010		HLDR,WIRE 2.5-9P
X861	87-A70-091-010		VIB,XTAL 4.332MHZ CSA-309<EZ,K>
X991	87-A70-061-010		VIB,XTAL 4.500MHZ CSA-309
R161	87-A00-439-050		RES,180-1/2W J RP<EZ,K,U>
R161	87-A00-440-050		RES,220-1/2W J RP<LH>
R162	87-A00-439-050		RES,180-1/2W J RP<EZ,K,U>
R162	87-A00-440-050		RES,220-1/2W J RP<LH>
R163	87-A00-439-050		RES,180-1/2W J RP<EZ,K,U>
R163	87-A00-440-050		RES,220-1/2W J RP<LH>
R164	87-A00-439-050		RES,180-1/2W J RP<EZ,K,U>
R164	87-A00-440-050		RES,220-1/2W J RP<LH>
R407	87-022-214-080		C-RES S100K-1/10WF
R790	87-010-197-080		CAP, CHIP 0.01 DM
R991	87-010-322-080		C-CAP,S 100P-50 CH
R992	87-010-322-080		C-CAP,S 100P-50 CH
R993	87-010-322-080		C-CAP,S 100P-50 CH

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
FRONT C.B			
C201	87-010-322-080		C-CAP,S 100P-50 CH
C202	87-010-322-080		C-CAP,S 100P-50 CH
C203	87-010-322-080		C-CAP,S 100P-50 CH
C204	87-010-322-080		C-CAP,S 100P-50 CH
C205	87-010-322-080		C-CAP,S 100P-50 CH
C206	87-010-322-080		C-CAP,S 100P-50 CH
C207	87-010-322-080		C-CAP,S 100P-50 CH
C208	87-010-322-080		C-CAP,S 100P-50 CH
C209	87-010-322-080		C-CAP,S 100P-50 CH
C210	87-010-322-080		C-CAP,S 100P-50 CH
C211	87-010-322-080		C-CAP,S 100P-50 CH
C251	87-010-405-040		CAP,E 10-50
C253	87-010-196-080		CHIP CAPACITOR,0.1-25
C254	87-012-369-080		C-CAP,S 0.047-50F
C255	87-010-560-040		CAP,E 10-50 GAS
C256	87-010-405-040		CAP,E 10-50
C259	87-010-405-040		CAP,E 10-50
C264	87-018-209-080		CAP, CER 0.1-50V
C273	87-010-178-080		CHIP CAP 1000P
C274	87-010-178-080		CHIP CAP 1000P
C301	87-010-182-080		C-CAP,S 2200P-50 B
C302	87-010-196-080		CHIP CAPACITOR,0.1-25
C312	87-010-498-040		CAP,E 10-16 GAS
C314	87-010-196-080		CHIP CAPACITOR,0.1-25
C315	87-010-196-080		CHIP CAPACITOR,0.1-25
C316	87-010-196-080		CHIP CAPACITOR,0.1-25
C321	87-012-393-080		C-CAP,S 0.22-16 R K
C322	87-010-400-040		CAP,E 0.47-50
C325	87-A10-189-040		CAP,E 220-10
C326	87-A10-189-040		CAP,E 220-10
C332	87-010-178-080		CHIP CAP 1000P
C334	87-010-312-080		C-CAP,S 15P-50 CH
C335	87-012-140-080		CAP 470P
C336	87-012-155-080		C-CAP 180P-50CH
C339	87-012-156-080		C-CAP,S 220P-50 CH
C340	87-010-197-080		CAP, CHIP 0.01 DM
C341	87-010-194-080		CAP, CHIP 0.047
C351	87-010-382-040		CAP,E 22-25 SME
C401	87-010-197-080		CAP, CHIP 0.01 DM
C451	87-010-196-080		CHIP CAPACITOR,0.1-25
C452	87-010-196-080		CHIP CAPACITOR,0.1-25
C453	87-010-196-080		CHIP CAPACITOR,0.1-25
C454	87-010-198-080		CAP, CHIP 0.022
C455	87-010-198-080		CAP, CHIP 0.022
C502	87-010-186-080		CAP,CHIP 4700P
C503	87-010-112-040		CAP,E 100-16
C504	87-010-405-040		CAP,E 10-50
C505	87-010-545-040		CAP,E 0.22-50 SME
C506	87-010-320-080		CHIP CAP 68P
C513	87-010-196-080		CHIP CAPACITOR,0.1-25
C514	87-010-196-080		CHIP CAPACITOR,0.1-25
C515	87-010-178-080		CHIP CAP 1000P
C602	87-010-322-080		C-CAP,S 100P-50 CH
C603	87-010-322-080		C-CAP,S 100P-50 CH
C604	87-010-322-080		C-CAP,S 100P-50 CH
C650	87-010-196-080		CHIP CAPACITOR,0.1-25
C699	87-010-196-080		CHIP CAPACITOR,0.1-25
CN101	87-099-720-010		CONN,30P TYK-B(P)
CN102	87-099-015-010		CONN,13P 6216V
CN301	87-A60-140-010		CONN,15P V FE<LH>
CN302	87-A60-136-010		CONN,11P V FE<EZ,K,U>
FB301	87-008-372-080		FILTER, EMI BL01 RN1
FB501	87-008-372-080		FILTER, EMI BL01 RN1
FFC104	88-911-101-110		FF-CABLE,11P 1.25<U,EZ,K>
FFC104	88-915-101-110		FF-CABLE,15P 1.25<LH>
FFC731	88-913-301-110		FF-CABLE,13P 1.25
FL401	8A-NF8-601-010		FL,HNA-11MM30(ANF-8)
J501	87-A61-242-010		JACK,6.3 BLK MONO W/SW V KM
L331	87-A50-408-010		COIL,OSC 5.76MHZ
LED311	87-A40-589-040		LED,SLR-56VCT31 RED
LED601	87-A40-803-010		LED,SELU1E10CXM-S LF38 BLUE
LED602	87-A40-619-080		LED,SLR-56PT-TE7-W GRN
LED603	87-A40-619-080		LED,SLR-56PT-TE7-W GRN
LED604	87-A40-619-080		LED,SLR-56PT-TE7-W GRN<LH,EZ,K>
LED605	87-A40-619-080		LED,SLR-56PT-TE7-W GRN<U>
LED606	87-A40-619-080		LED,SLR-56PT-TE7-W GRN<EZ,K>
LED607	87-A40-619-080		LED,SLR-56PT-TE7-W GRN
LED608	87-A40-619-080		LED,SLR-56PT-TE7-W GRN
LED609	87-A40-589-040		LED,SLR-56VCT31 RED
S401	87-A91-024-180		SW,TACT KSHG611BT
S402	87-A91-024-180		SW,TACT KSHG611BT
S403	87-A91-024-180		SW,TACT KSHG611BT
S404	87-A91-024-180		SW,TACT KSHG611BT
S405	87-A91-024-180		SW,TACT KSHG611BT
S406	87-A91-024-180		SW,TACT KSHG611BT
S407	87-A91-024-180		SW,TACT KSHG611BT
S408	87-A91-024-180		SW,TACT KSHG611BT
S409	87-A91-024-180		SW,TACT KSHG611BT
S410	87-A91-024-180		SW,TACT KSHG611BT
S411	87-A91-024-180		SW,TACT KSHG611BT
S412	87-A91-024-180		SW,TACT KSHG611BT
S413	87-A91-024-180		SW,TACT KSHG611BT
S414	87-A91-024-180		SW,TACT KSHG611BT
S415	87-A91-024-180		SW,TACT KSHG611BT
S416	87-A91-024-180		SW,TACT KSHG611BT
S417	87-A91-024-180		SW,TACT KSHG611BT
S418	87-A91-024-180		SW,TACT KSHG611BT
S419	87-A91-024-180		SW,TACT KSHG611BT
S420	87-A91-024-180		SW,TACT KSHG611BT<LH,EZ,K>
S421	87-A91-024-180		SW,TACT KSHG611BT<EZ,K>
S422	87-A91-024-180		SW,TACT KSHG611BT<EZ,K>
S425	87-A91-024-180		SW,TACT KSHG611BT
S426	87-A91-024-180		SW,TACT KSHG611BT
S427	87-A91-024-180		SW,TACT KSHG611BT
S428	87-A91-024-180		SW,TACT KSHG611BT
S429	87-A91-024-180		SW,TACT KSHG611BT
S430	87-A91-024-180		SW,TACT KSHG611BT
S431	87-A91-024-180		SW,TACT KSHG611BT
S432	87-A91-024-180		SW,TACT KSHG611BT
S433	87-A91-024-180		SW,TACT KSHG611BT
S434	87-A91-024-180		SW,TACT KSHG611BT
S435	87-A91-024-180		SW,TACT KSHG611BT
SW252	87-A91-555-010		SW,RTRY EC12E24504
SW253	87-A91-542-010		SW,RTRY EC12E12504
AMP 1F C.B			
C101	87-010-184-080		CHIP CAPACITOR 3300P(K)<LH,EZ,K>
C101	87-010-181-080		CAP,CHIP S 1800P<U>
C102	87-010-184-080		CHIP CAPACITOR 3300P(K)<LH,EZ,K>
C102	87-010-181-080		CAP,CHIP S 1800P<U>
C103	87-010-545-080		CAP, ELECT 0.22-50V
C104	87-010-545-080		CAP, ELECT 0.22-50V
C105	87-010-186-080		CAP,CHIP 4700P<LH,EZ,K>
C106	87-010-186-080		CAP,CHIP 4700P<LH,EZ,K>
C107	87-010-404-080		CAP, ELECT 4.7-50V<LH,EZ,K>
C107	87-010-405-080		CAP, ELECT 10-50V<U>
C108	87-010-404-080		CAP, ELECT 4.7-50V<LH,EZ,K>
C108	87-010-405-080		CAP, ELECT 10-50V<U>
C111	87-010-179-080		CAP,CHIP S B1200P
C112	87-010-179-080		CAP,CHIP S B1200P
C113	87-010-405-080		CAP, ELECT 10-50V
C114	87-010-405-080		CAP, ELECT 10-50V
C115	87-010-866-080		CAP, ELECT 10-63<LH,EZ,K>
C115	87-A12-180-080		CAP,E 10-63 M 105 KME<U>
C116	87-010-866-080		CAP, ELECT 10-63<LH,EZ,K>
C116	87-A12-180-080		CAP,E 10-63 M 105 KME<U>

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C117	87-010-196-080		CHIP CAPACITOR,0.1-25<EZ,K>
C119	87-010-197-080		CAP, CHIP 0.01 DM
C120	87-010-197-080		CAP, CHIP 0.01 DM
C133	87-010-190-080		CAP,S 0.01-50 Z F C2912
C153	87-010-188-080		CAP,CHIP 6800P
C201	87-A10-300-080		CAP,M 0.027-50 J<U>
C202	87-A10-300-080		CAP,M 0.027-50 J<U>
C203	87-A10-300-080		CAP,M 0.027-50 J<U>
C204	87-A10-300-080		CAP,M 0.027-50 J<U>
C205	87-010-180-080		C-CER 1500P<U>
C205	87-010-181-080		CAP,CHIP S 1800P<LH,EZ,K>
C206	87-010-180-080		C-CER 1500P<U>
C206	87-010-181-080		CAP,CHIP S 1800P<LH,EZ,K>
C207	87-010-400-080		CAP, ELECT 0.47-50V<LH,EZ,K>
C207	87-010-401-080		CAP, ELECT 1-50V<U>
C208	87-010-400-080		CAP, ELECT 0.47-50V<LH,EZ,K>
C208	87-010-401-080		CAP, ELECT 1-50V<U>
C209	87-010-187-080		CAP CHIP S5600P<U>
C210	87-010-187-080		CAP CHIP S5600P<U>
C211	87-010-403-080		CAP, ELECT 3.3-50V<U>
C211	87-010-405-080		CAP, ELECT 10-50V<LH,EZ,K>
C212	87-010-403-080		CAP, ELECT 3.3-50V<U>
C212	87-010-405-080		CAP, ELECT 10-50V<LH,EZ,K>
C215	87-010-179-080		CAP,CHIP S B1200P
C216	87-010-179-080		CAP,CHIP S B1200P
C217	87-010-405-080		CAP, ELECT 10-50V<LH,EZ,K>
C217	87-010-403-080		CAP, ELECT 3.3-50V<U>
C218	87-010-405-080		CAP, ELECT 10-50V<LH,EZ,K>
C218	87-010-403-080		CAP, ELECT 3.3-50V<U>
C219	87-010-197-080		CAP, CHIP 0.01 DM<EZ,K>
C221	87-010-405-080		CAP, ELECT 10-50V
C222	87-010-405-080		CAP, ELECT 10-50V
C223	87-010-197-080		CAP, CHIP 0.1-25 Z F
C224	87-010-197-080		CAP, CHIP 0.1-25 Z F
C251	87-010-196-080		CAP, CHIP 0.1-25 Z F
C252	87-010-196-080		CAP, CHIP 0.1-25 Z F
C253	87-010-196-080		CAP, CHIP 0.1-25 Z F
C254	87-010-196-080		CAP, CHIP 0.1-25 Z F
C255	87-010-190-080		CAP,S 0.01-50 Z F C2912<EZ,K>
C256	87-010-190-080		CAP,S 0.01-50 Z F C2912<EZ,K>
C257	87-010-190-080		CAP,S 0.01-50 Z F C2912<EZ,K>
C258	87-010-190-080		CAP,S 0.01-50 Z F C2912<EZ,K>
C259	87-010-197-080		CAP, CHIP 0.01 DM
C260	87-010-197-080		CAP, CHIP 0.01 DM
C401	87-010-260-080		CAP, ELECT 47-25V
CN101	87-A61-011-010		CONN,13P H BLK TAC-L13P-A3
CN102	87-A61-011-010		CONN,13P H BLK TAC-L13P-A3
CN104	87-099-196-010		CONN,8P 6216 V<U>
CNA101	8A-NF8-656-010		CONN ASSY,5P TID-A 400
CNA103	8A-NF8-655-010		CONN ASSY,7P TID-A(150)<U>
FFC106	88-908-151-110		FF-CABLE,8P 1.25<U>
J201	87-A61-159-010		JACK,PIN 4P R/W/B/0 KM<LH,EZ,K>
J202	87-A61-158-010		JACK,PIN 2P R/W/BL H(SEPA) KM<U>
JW168	87-020-465-080		DIODE,1SS133 (110MA)<LH>
L251	87-003-383-010		COIL,1UH-K
L252	87-003-383-010		COIL,1UH-K
R129	87-A00-262-080		RES,M/F 0.15-2W J<U>
R129	87-A00-669-080		RES,M/F 0.22-2W J RA<LH,EZ,K>
R130	87-A00-262-080		RES,M/F 0.15-2W J<U>
R130	87-A00-669-080		RES,M/F 0.22-2W J RA<LH,EZ,K>
R181	87-A00-669-080		RES,M/F 0.22-2W J RA<LH,EZ,K>
R182	87-A00-669-080		RES,M/F 0.22-2W J RA<LH,EZ,K>
R231	87-A00-258-080		RES,M/F 0.22-1W J
R232	87-A00-258-080		RES,M/F 0.22-1W J<U>
R232	87-A00-669-080		RES,M/F 0.22-2W J RA<LH,EZ,K>
R282	87-A00-669-080		RES,M/F 0.22-2W J RA<LH,EZ,K>
WH101	87-A90-459-010		HLDR,WIRE 2.5-5P
WH102	87-A90-460-010		HLDR,WIRE 2.5-7P<U>

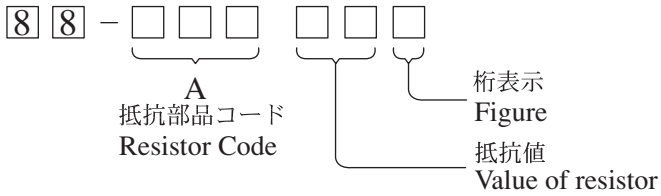
REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
AMP P-LOGIC<U>			
C101	87-010-181-080		CAP,CHIP S 1800P<U>
C102	87-010-181-080		CAP,CHIP S 1800P<U>
C103	87-010-400-080		CAP, ELECT 0.47-50V<U>
C104	87-010-400-080		CAP, ELECT 0.47-50V<U>
C105	87-010-184-080		CHIP CAPACITOR 3300P(K)<U>
C106	87-010-184-080		CHIP CAPACITOR 3300P(K)<U>
C107	87-010-405-080		CAP, ELECT 10-50V<U>
C108	87-010-405-080		CAP, ELECT 10-50V<U>
C111	87-010-179-080		CAP,CHIP S B1200P<U>
C112	87-010-179-080		CAP,CHIP S B1200P<U>
C113	87-010-405-080		CAP, ELECT 10-50V<U>
C114	87-010-405-080		CAP, ELECT 10-50V<U>
C115	87-010-405-080		CAP, ELECT 10-50V<U>
C116	87-010-405-080		CAP, ELECT 10-50V<U>
C121	87-010-190-080		S CHIP F 0.01<U>
C122	87-010-190-080		S CHIP F 0.01<U>
C151	87-012-368-080		C-CAP,S 0.1-50 F<U>
C152	87-012-368-080		C-CAP,S 0.1-50 F<U>
C153	87-010-196-080		CHIP CAPACITOR,0.1-25<U>
C154	87-010-196-080		CHIP CAPACITOR,0.1-25<U>
C160	87-010-190-080		S CHIP F 0.01<U>
C161	87-010-188-080		CAP,CHIP 6800P<U>
CN101	87-A61-109-010		CONN,7P V TID-A<U>
CN103	87-099-196-010		CONN,8P 6216 V<U>
J101	87-A61-159-010		JACK,PIN 4P R/W/B/0 KM<U>
L151	87-A50-610-010		COIL,1UH K(MDEC)<U>
L151	87-003-383-010		COIL,1UH-K<U>
L152	87-003-383-010		COIL,1UH-K<U>
R131	87-A00-258-080		RES,M/F 0.22-1W J<U>
R132	87-A00-669-080		RES,M/F 0.22-2W J RA<U>
R172	87-A00-669-080		RES,M/F 0.22-2W J RA<U>
PT C.B			
C1	87-010-387-080		CAP,E 470-25 SME
C2	87-A11-144-080		CAP,TC U 0.1-50 K B<EZ,K>
C4	87-A11-148-080		CAP,TC U 0.1-50 Z F
C5	87-A11-148-080		CAP,TC U 0.1-50 Z F
C6	87-010-917-000		CAP,E 3300-50 M SMG
C7	87-010-917-000		CAP,E 3300-50 M SMG
C8	87-A11-148-080		CAP,TC U 0.1-50 Z F
C9	87-A11-148-080		CAP,TC U 0.1-50 Z F
C10	87-A11-148-080		CAP,TC U 0.1-50 Z F
C11	87-A11-148-080		CAP,TC U 0.1-50 Z F
C12	87-016-520-000		CAP,E 3300-65 M SMG
C13	87-016-520-000		CAP,E 3300-65 M SMG
C14	87-A11-148-080		CAP,TC U 0.1-50 Z F
C15	87-A11-148-080		CAP,TC U 0.1-50 Z F
C16	87-010-403-080		CAP, ELECT 3.3-50V
CN1	87-A61-110-010		CONN,9P V TID-A
CN2	87-A61-108-010		CONN,5P V TID-A
⚠ PT101	8A-NFV-604-010		PT,ANF-V U<U>
⚠ PT101	8A-NFV-605-010		PT,ANF-28 LH<LH>
⚠ PT101	8A-NFV-608-010		PT,ANF-28 EZ<EZ,K>
⚠ PT102	8A-NF8-662-010		PT,SUB ANF-8 (E)<EZ,K>
⚠ PT102	8A-NF8-673-010		PT,SUB ANF-8 (H)KAMI<LH>
⚠ PT102	8A-NF8-661-010		PT,SUB ANF-8 (U)<U>
⚠ RY1	87-A91-339-010		RELAY,AC DC12V G5PA-2<LH>
⚠ RY2	87-A91-418-010		RELAY,AC12V G5PA-1-M<EZ,K,U>
⚠ S1	87-A90-165-010		SW,SL 1-2-3 SWS2301<LH>
⚠ T1	87-A60-317-010		TERMINAL, 1P MSC
⚠ T2	87-A60-317-010		TERMINAL, 1P MSC
DECK C.B			
CON105	87-099-753-010		CONN,11P 9604<EZ,K,U>
CON105	87-099-756-010		CONN,15P 9604 S F<LH>
HL1	8Z-ZM3-214-010		HLDR,IC<U>

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
SFR1	87-024-581-010		SFR,3.3K DIA 6H
SOL1	82-ZM1-618-410		SOL ASSY,27
SOL2	82-ZM1-618-410		SOL ASSY,27
SW1	87-A90-248-010		SW,MICRO ESE11SH2CXQ<LH,EZ,K>
SW1	87-A90-673-010		SW,MICRO ESE11SH1C<U>
SW2	87-A90-248-010		SW,MICRO ESE11SH2CXQ<LH,EZ,K>
SW2	87-A91-500-010		SW,MICRO MPU11470MLB0<U>
SW3	87-A90-248-010		SW,MICRO ESE11SH2CXQ<LH,EZ,K>
SW3	87-A91-500-010		SW,MICRO MPU11470MLB0<U>
SW4	87-A90-248-010		SW,MICRO ESE11SH2CXQ<EZ,K>
SW4	87-036-110-010		SW,MICRO SPPB62<LH>
SW4	87-A91-500-010		SW,MICRO MPU11470MLB0<U>
SW5	87-A90-248-010		SW,MICRO ESE11SH2CXQ<EZ,K>
SW5	87-036-110-010		SW,MICRO SPPB62<LH>
SW5	87-A90-673-010		SW,MICRO ESE11SH1C<U>

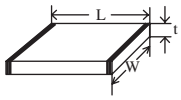
REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
SW6	87-036-110-010		SW,MICRO SPPB62<LH>
SW8	87-A90-248-010		SW,MICRO ESE11SH2CXQ<LH>
SW9	87-A90-248-010		SW,MICRO ESE11SH2CXQ<LH>
W1	82-ZM3-601-010		RBN,CORD,4P-75<LH,EZ,K>
HEAD-1 C.B<LH,EZ,K>			
	85-ZM3-602-010		PWB,FLEX A
CON301	87-NF6-615-010		CONN ASSY,3P-PB
HEAD-2 C.B<LH>			
	85-ZM3-602-010		PWB,FLEX A
CON351	87-NF6-616-010		CONN ASSY,8P-RPB
VM C.B<LH,EZ,K>			

○チップ抵抗部品コード／CHIP RESISTOR PART CODE

チップ抵抗部品コードの成り立ち
Chip Resistor Part Coding

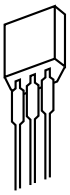


チップ抵抗
Chip resistor

容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法／Dimensions (mm) 外形／Form	L	W	t	抵抗コード : A Resistor Code : A
1/16W	1005	±5%	CJ		1.0	0.5	0.35	104
1/16W	1608	±5%	CJ		1.6	0.8	0.45	108
1/10W	2125	±5%	CJ		2	1.25	0.45	118
1/8W	3216	±5%	CJ		3.2	1.6	0.55	128

TRANSISTOR ILLUSTRATION

2SA1981
CD1585
CSA952
CSC4115
KTA1266
KTC3198



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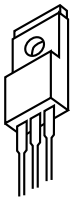
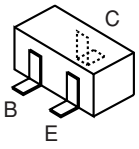
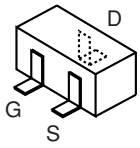
KTC3199



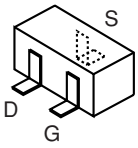
2SB1370



2SA1235
2SC2714
2SC3052
CMBT5401
CMBT5551
CSD1306
RT1N141C
RT1P141C
RT1P144C
RT1P441C



2SJ461
2SK2158



2SK360

MAIN C.B

FROM DECK-2 RPH. EH CON351 <U>
FROM HEAD-2 C.B CON351 <LH>
TO CN351

FROM DECK 1 PH CON301 <U>
FROM HEAD-1 C.B CON301 <EZ. K. LH>
TO CN301

J831 J832
J831<U. LH>
J832<EZ. K>
ANTENNA

AM LOOP

<U. LH>
IF FM 75Ω

FM 75Ω COAXIAL
<EZ. K>

FF-CABLE 6P
CN602
CD MECHANISM

J604
VIDEO/AUX
R
L

CNA001
WHT
TO PT C.B CN001

R L
J102
<U>
SPEAKERS LOW FREQ
FRONT SPEAKERS
<EZ. K. LH>

CN102
AMP 1F C.B CN102

CN101
AMP 1F C.B CN101

CNA002
<EZ. K. LH>

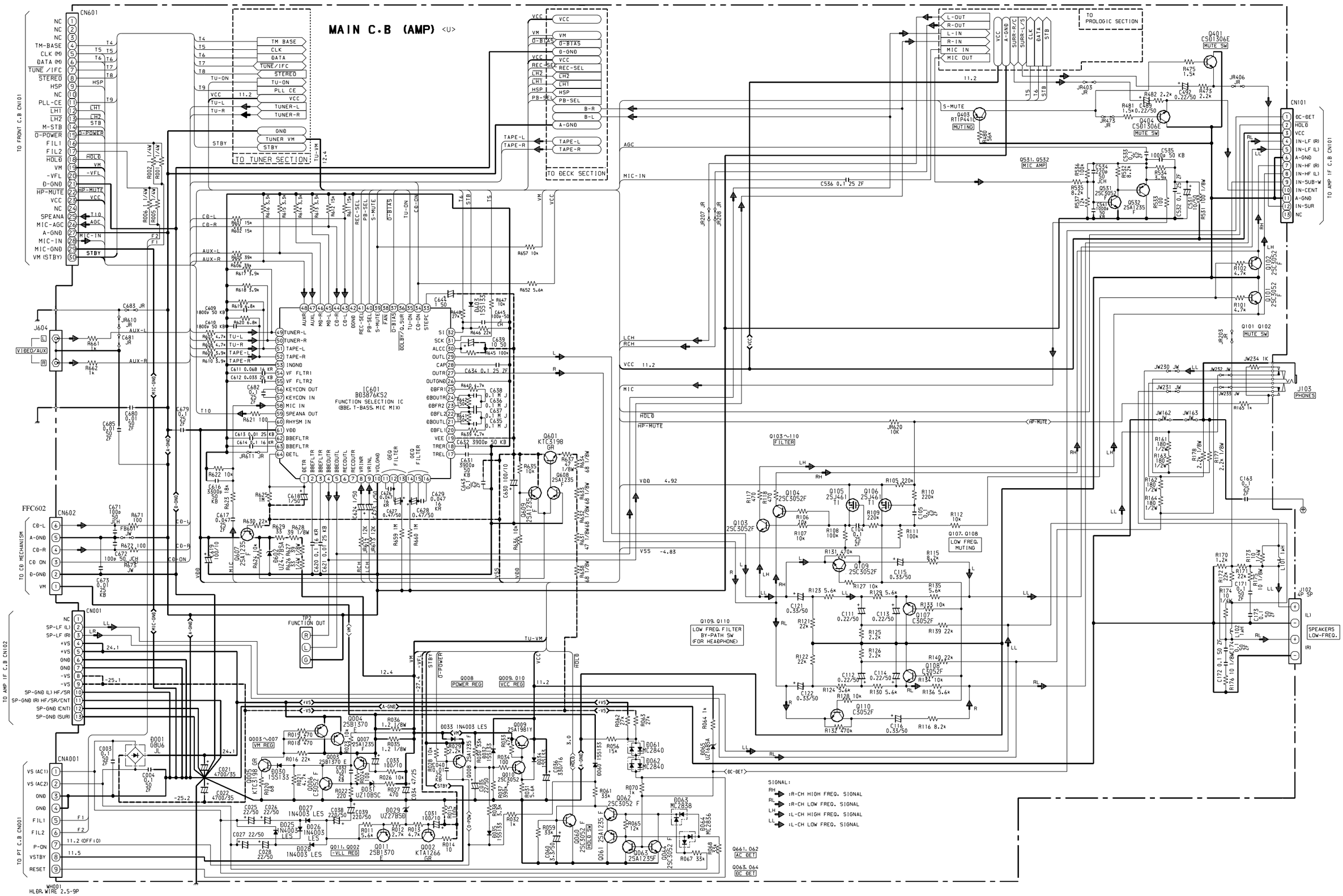
TO FRONT C.B CN101
CN1101
CN601

J103
PHONES

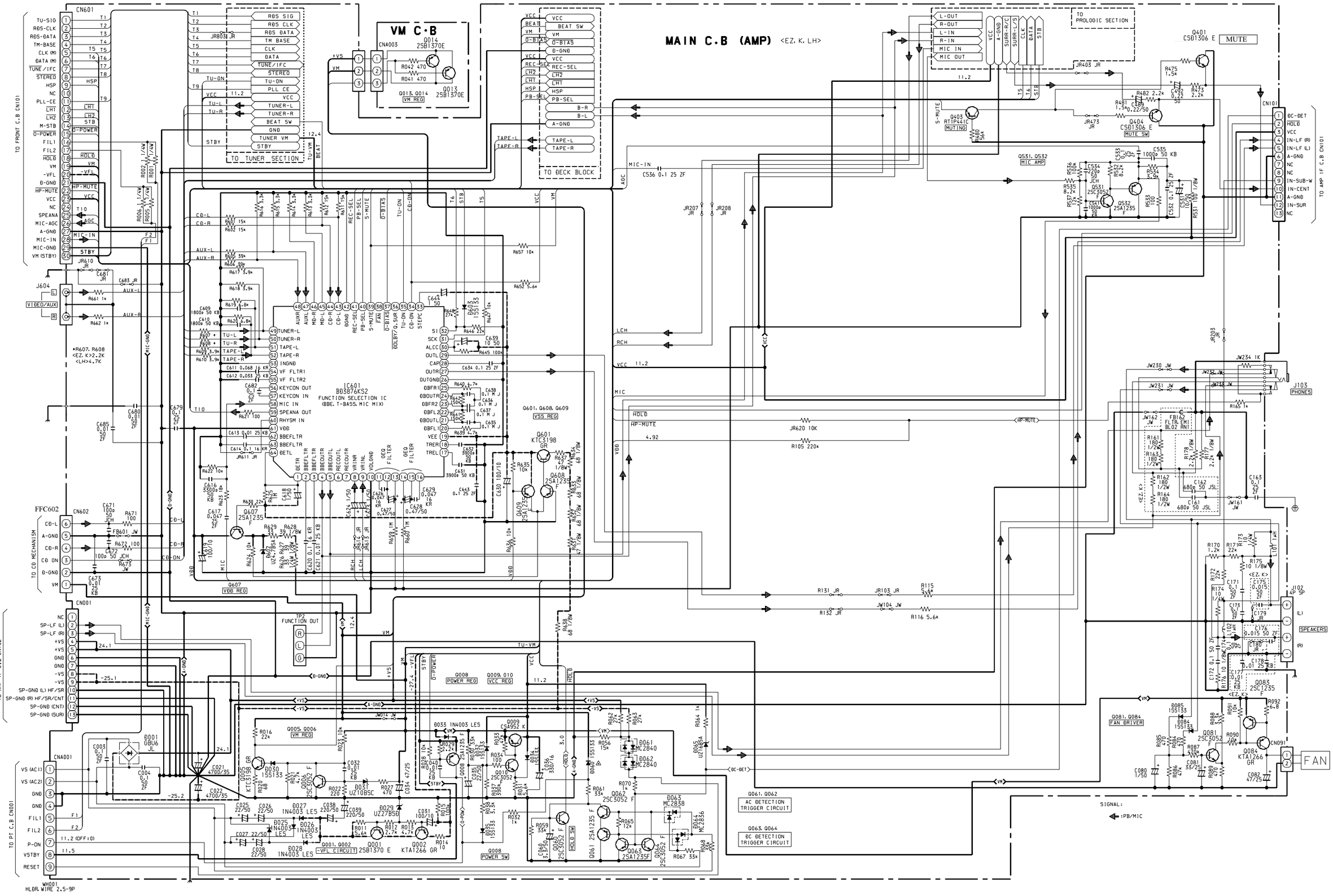
CN091
FAN
<EZ. K. LH>

VM C.B <EZ, K, LH>
CNA003
CNA002

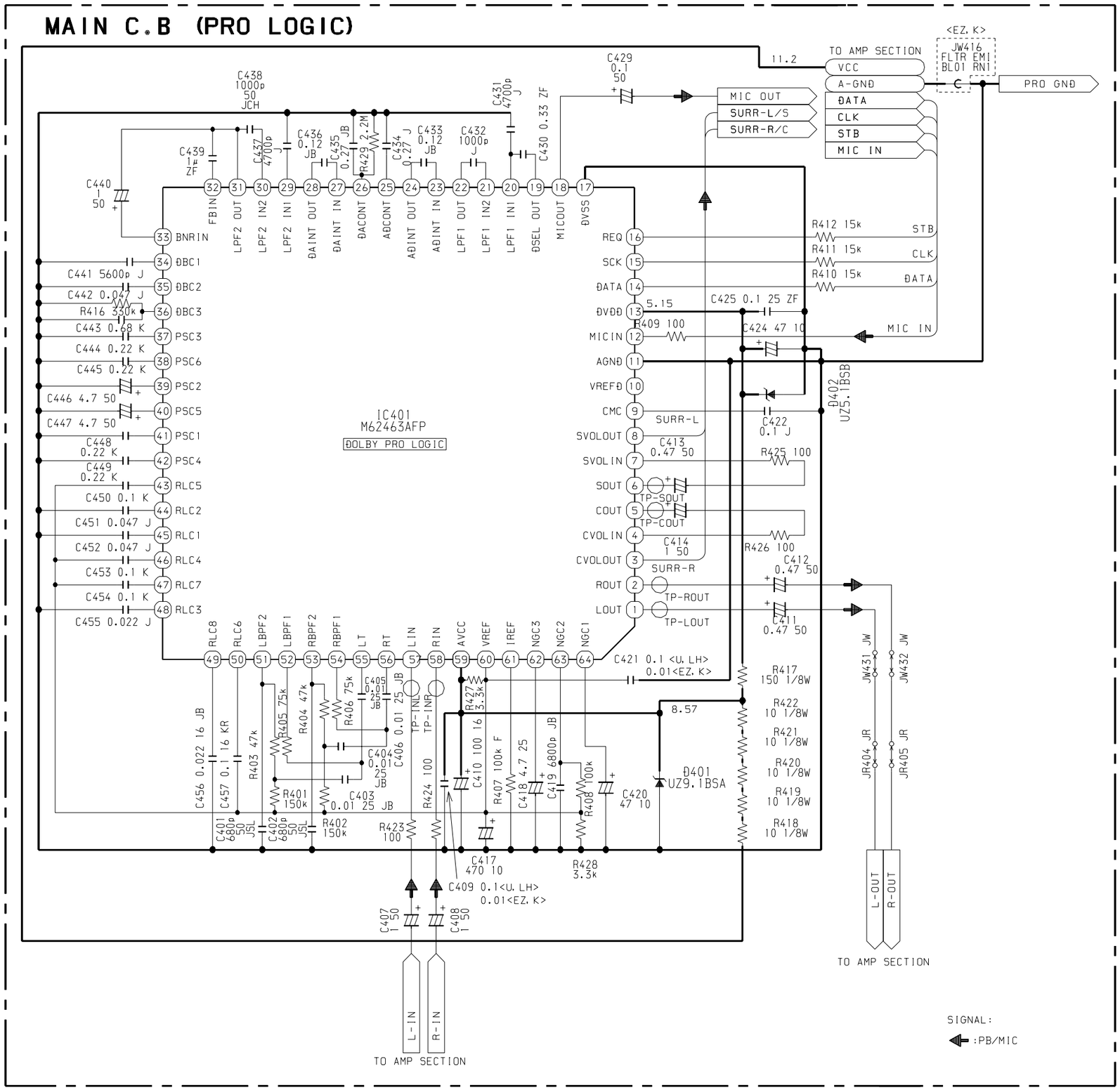
SCHEMATIC DIAGRAM – 1 (MAIN : 1 / 6 <AMP SECTION> U)



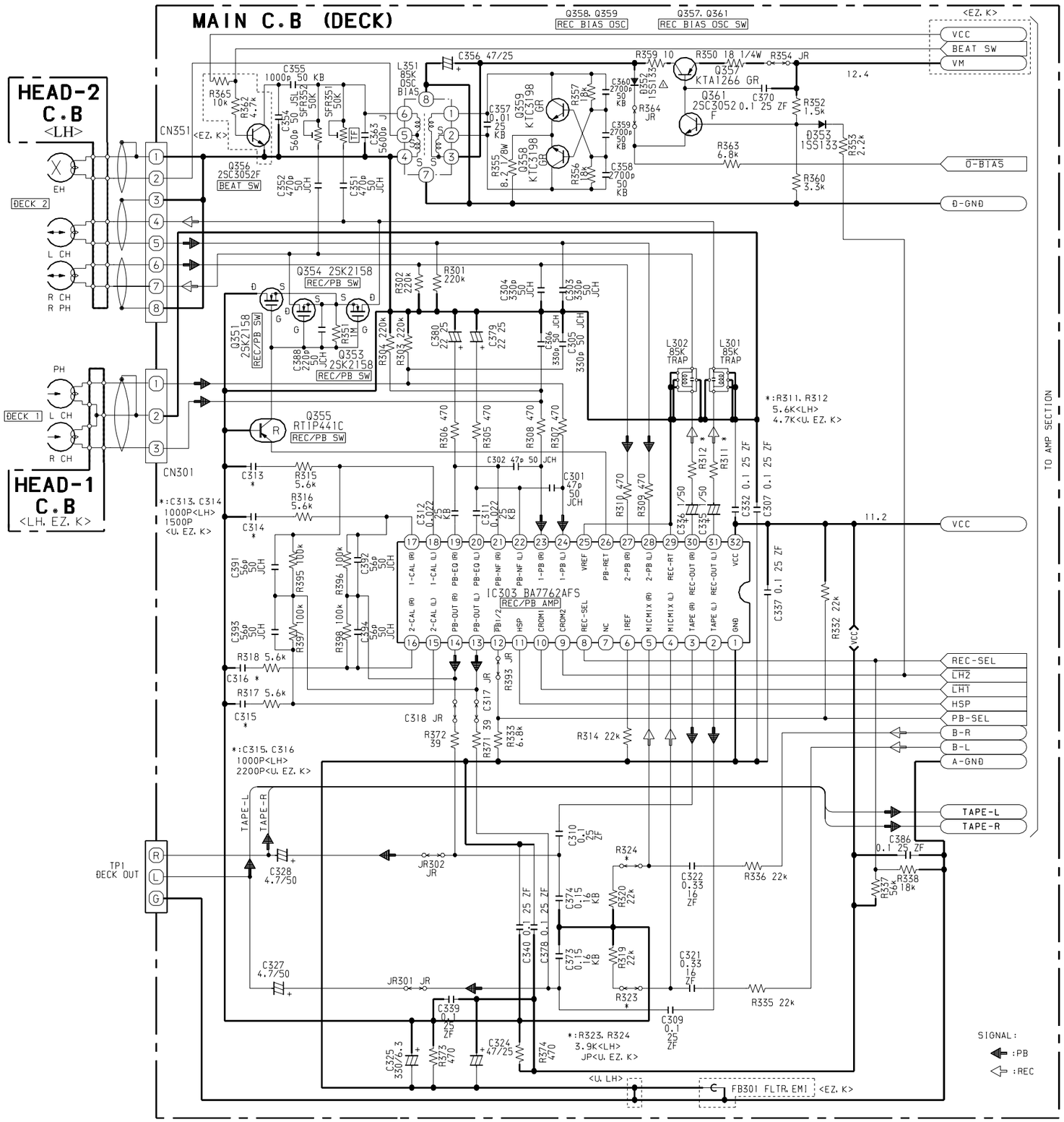
SCHEMATIC DIAGRAM – 2 (MAIN : 1 / 6 <AMP SECTION> EZ, K, LH)



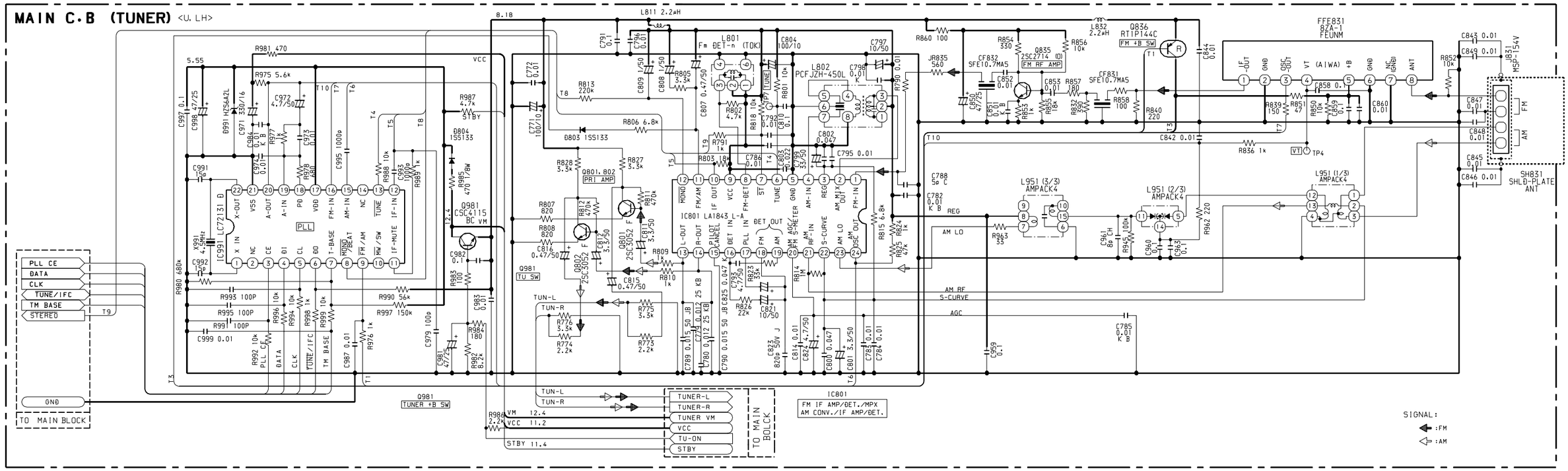
SCHEMATIC DIAGRAM – 3 (MAIN : 3 / 6 <PRO LOGIC SECTION>)



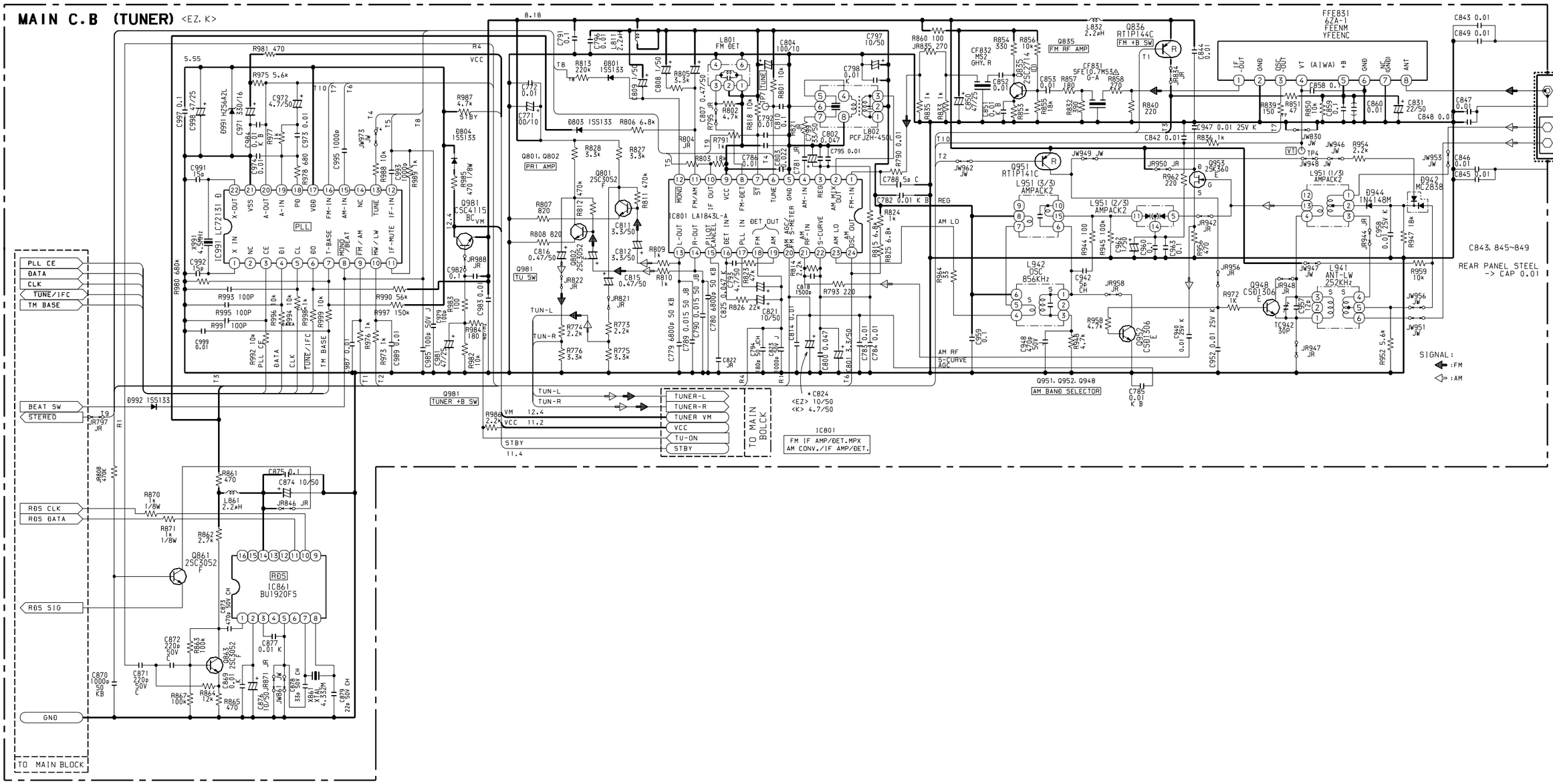
SCHEMATIC DIAGRAM – 4 (MAIN : 4 / 6 <DECK SECTION>)



SCHEMATIC DIAGRAM – 5 (MAIN : 5 / 6 <TUNER SECTION> U, LH)



SCHEMATIC DIAGRAM – 6 (MAIN : 6 / 6 <TUNER SECTION> EZ, K)



32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

A B C D E F G H I J K L M N O P Q R S T U

FRONT C.B

FL401 DISPLAY

IC251 REMOTE SENSOR

LED609 PRO

S427 PRO LOGIC

LED601 FUNC

CD MECHANISM

FF-CABLE 13P

SW252 VOLUME

S428 MIC

S429 ECHO

LED311 STBY LED

S425 POWER

S426 ECO

SW253 MULTI JOG

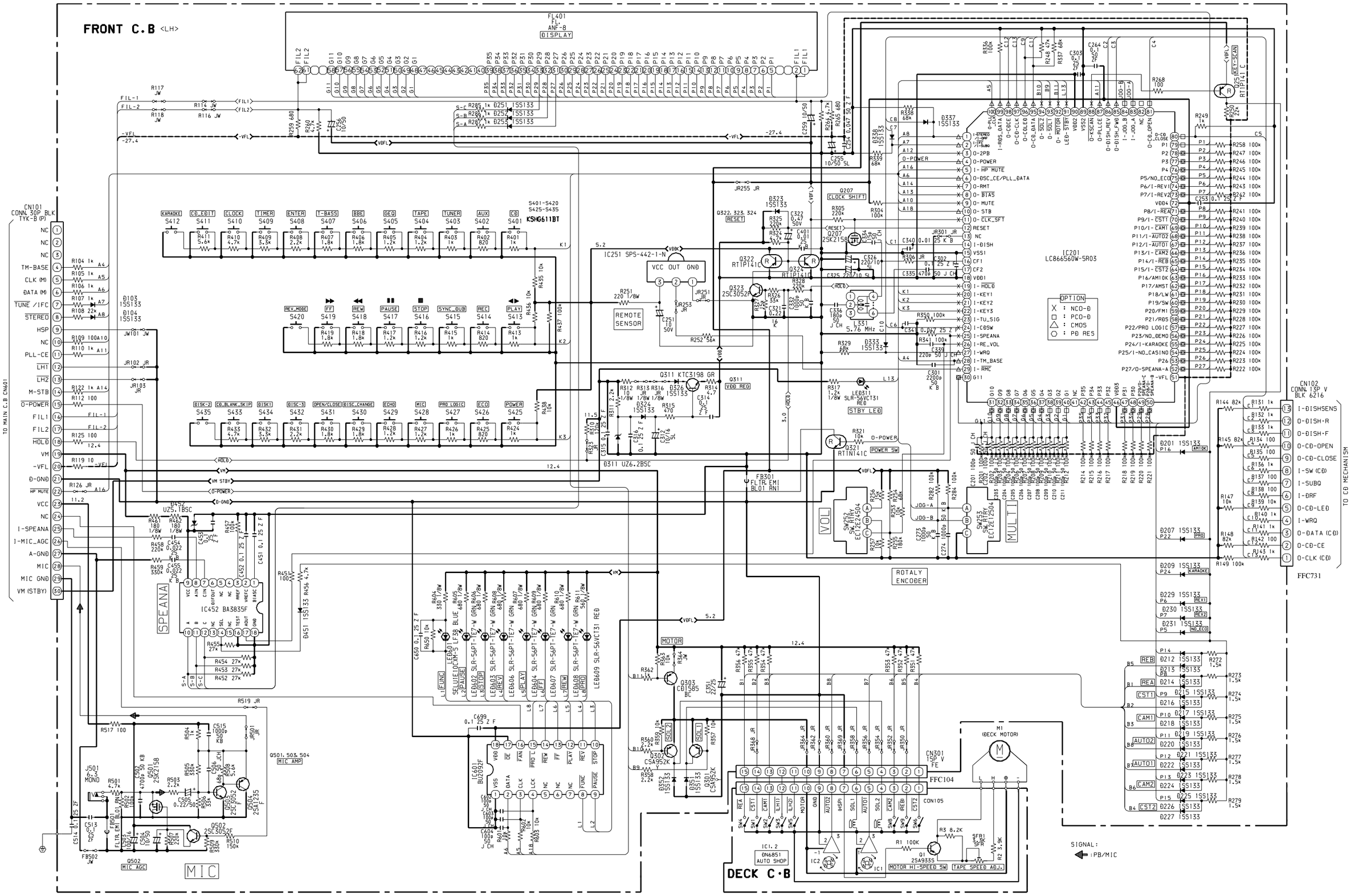
CN601 FROM MAIN C.B

J501 MIC

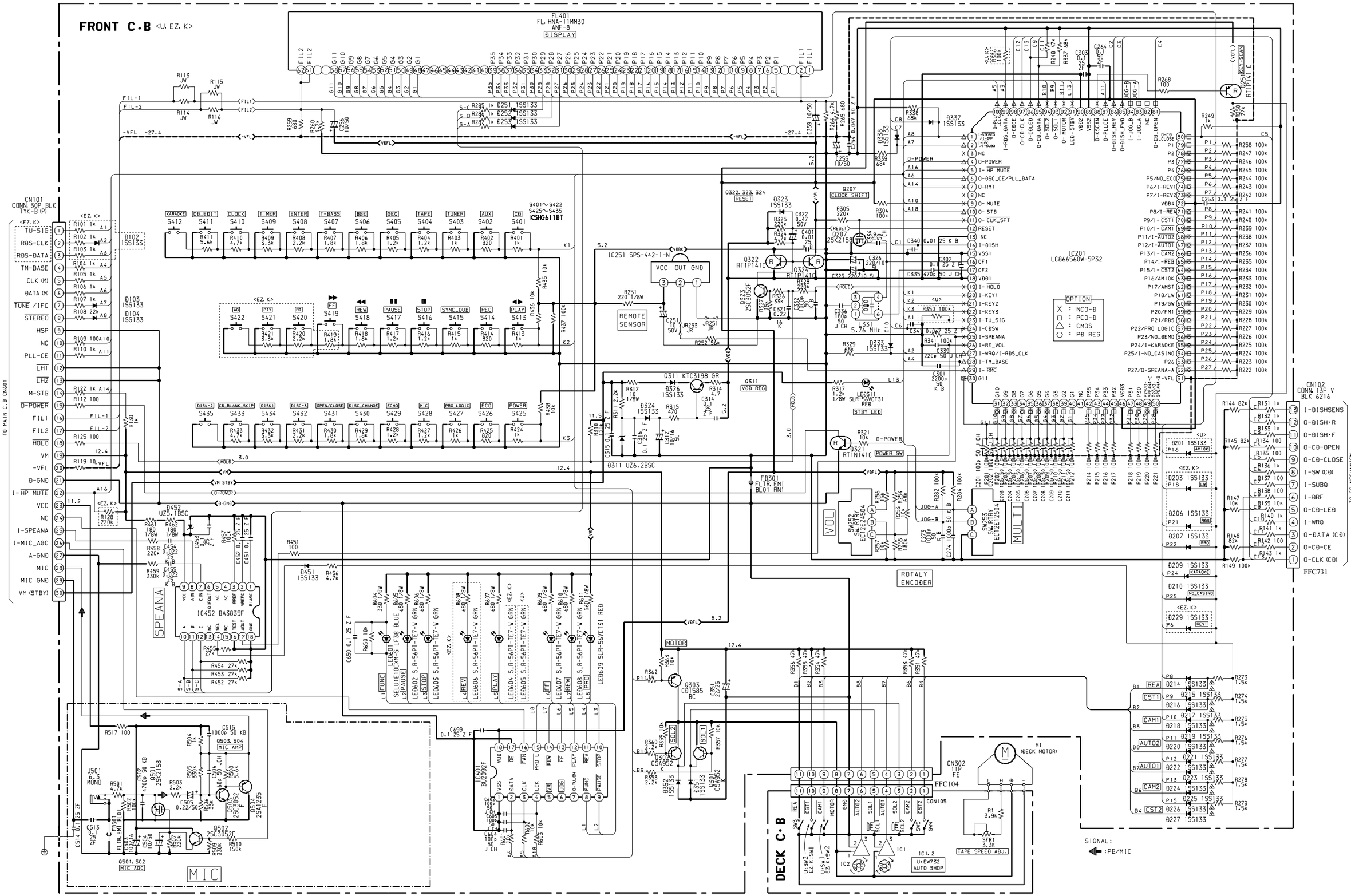
CON301<LH> CON302<U, EZ, K> ↗ DECK C.B CON105

S401 CD
LED606 REV <EZ, K, LH>
S402 AUX
S403 TUNER
S404 TAPE
S405 GEQ
S434 DISK 1
S433 CD BLANK SKIP
LED604 <EZ, K, LH>
LED605 <U> PLAY
S413 PLAY ◀▶
S416 LED603 ■ STOP
S417, LED602 PAUSE II
S407 T-BASS
S430 DISK CHANGE
S435 DISK 2
S419 LED607 FF ▶▶
S418 LED608 REW ◀◀
S414 REC
S415 SYNC DUB
S406 BBE
S432 DISC 3
S422 AG
S421 PTY
S420 RT
S412 KARAOKE
S411 CD EDIT
S410 CLOCK
S409 TIMER
S408 ENTER
S431 OPEN/CLOSE
<EZ, K> <EZ, K, LH>

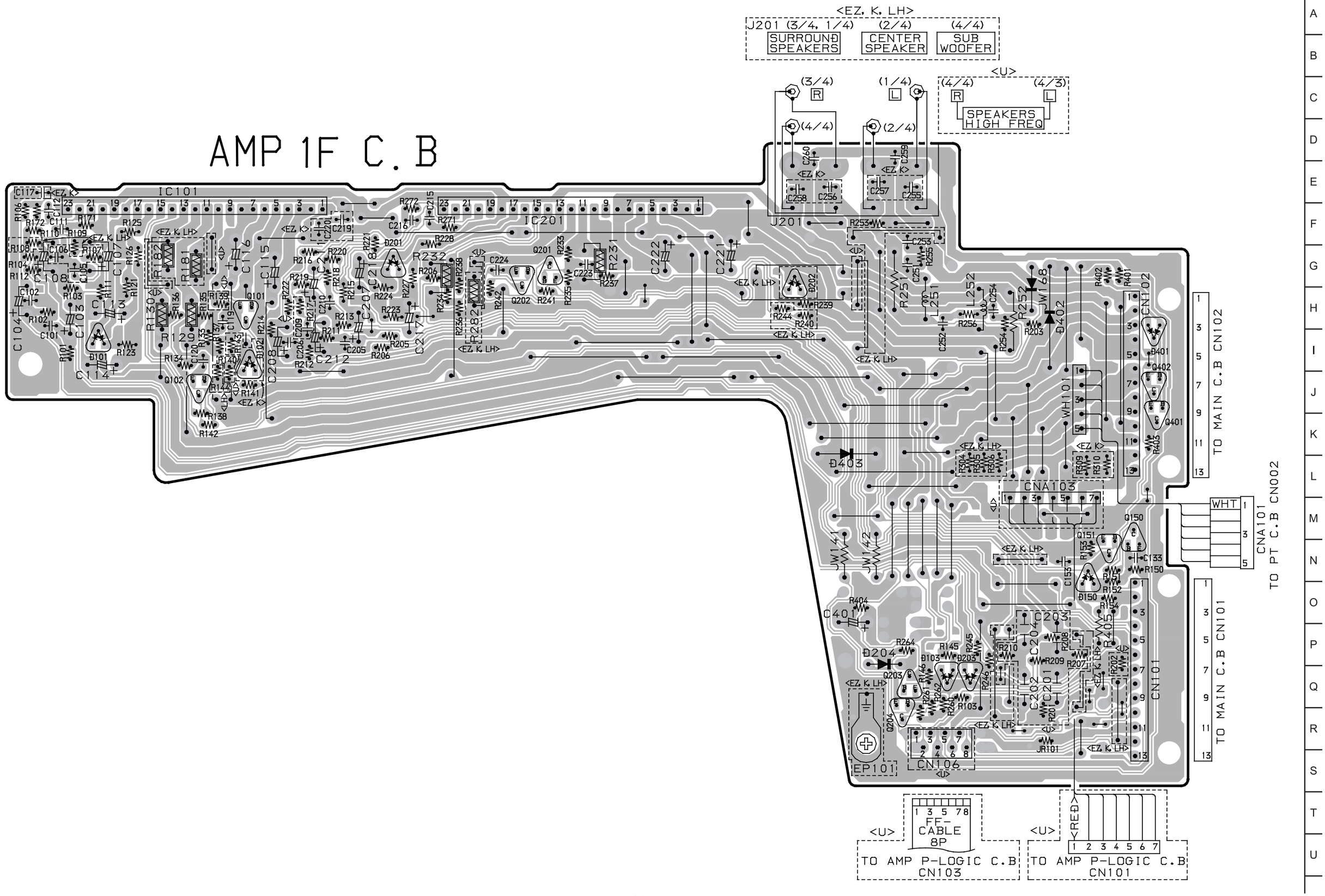
SCHEMATIC DIAGRAM – 7 (FRONT : LH)



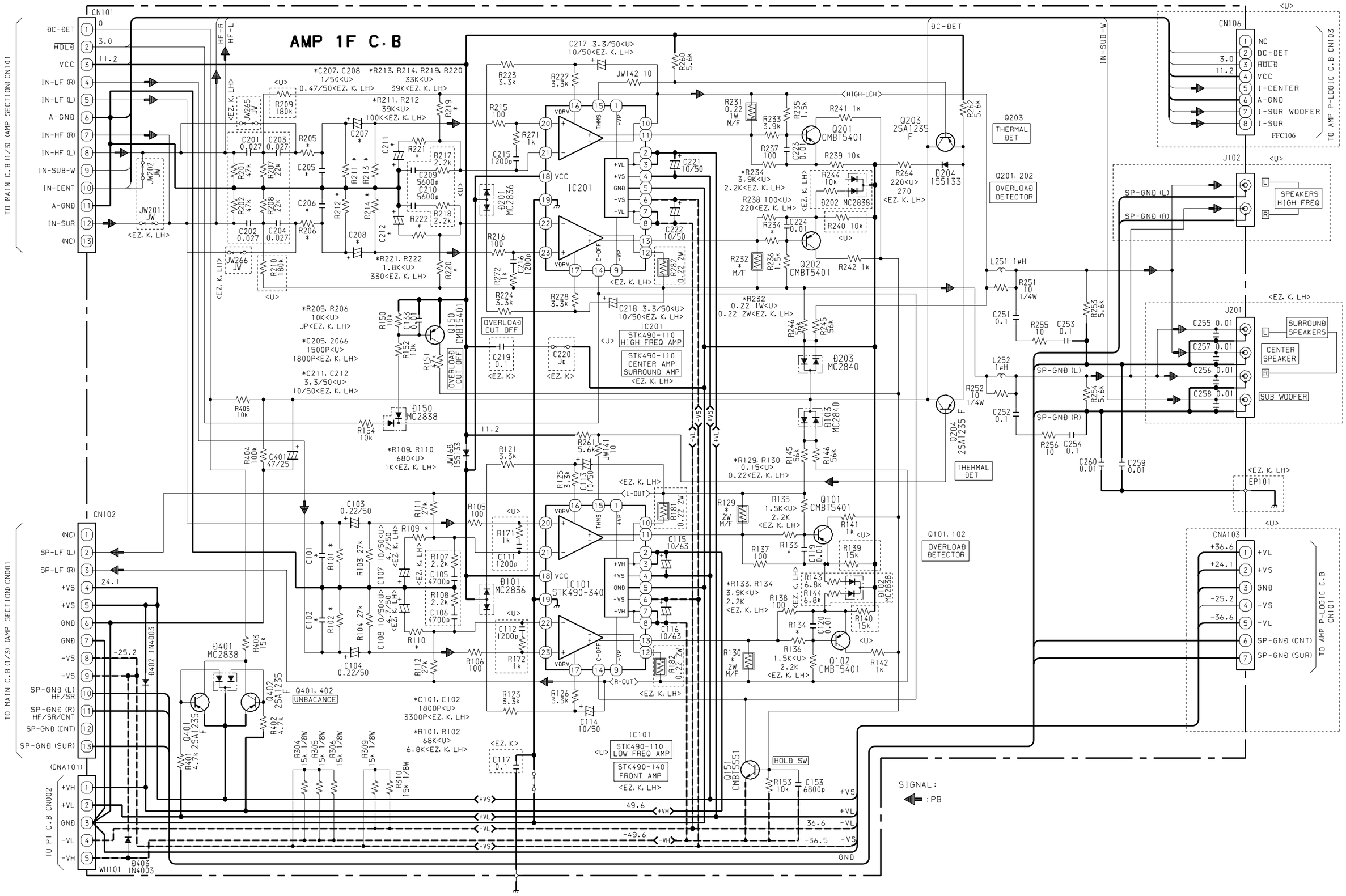
SCHEMATIC DIAGRAM – 8 (FRONT : U, EZ, K)



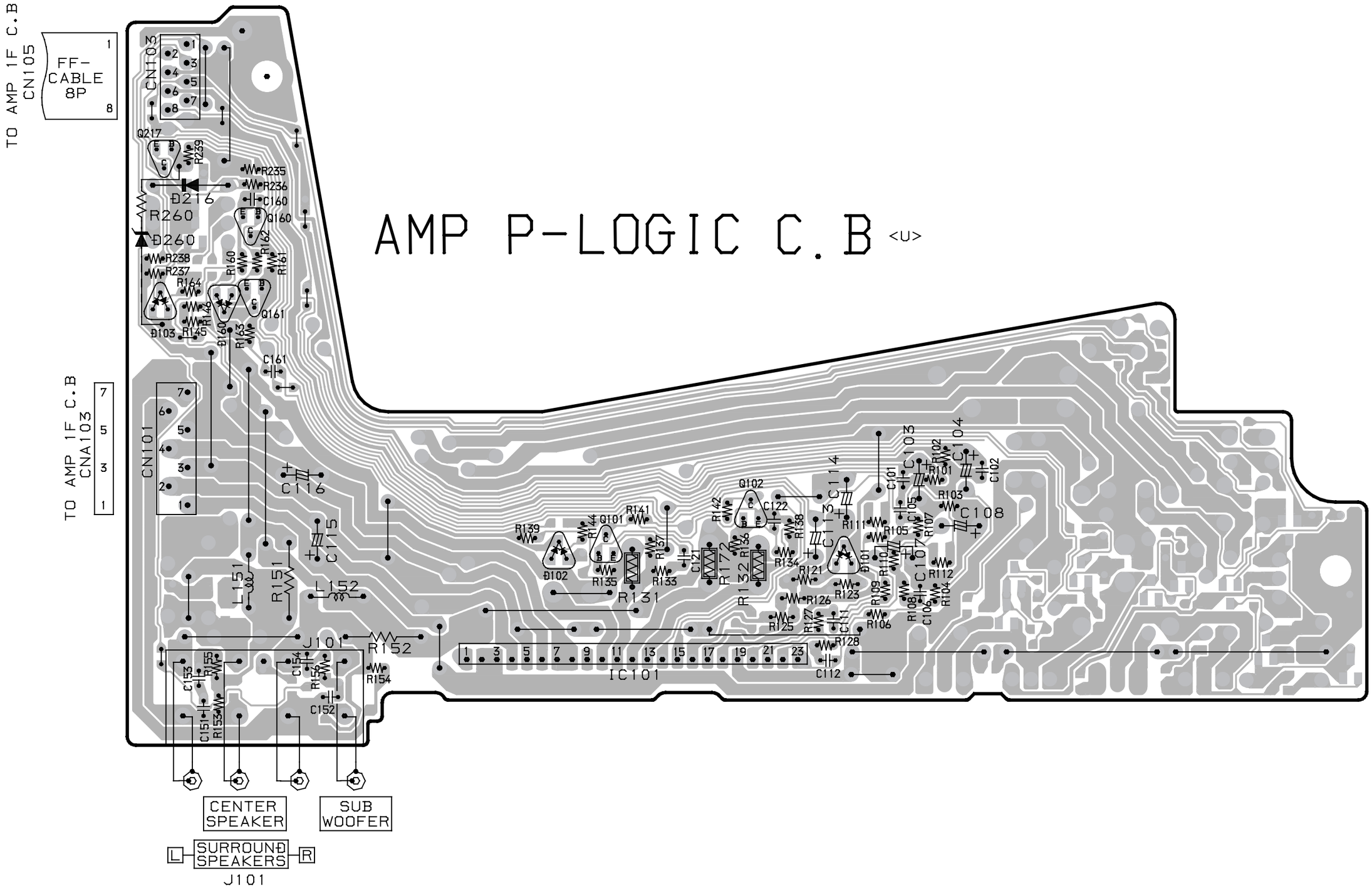
AMP 1F C.B

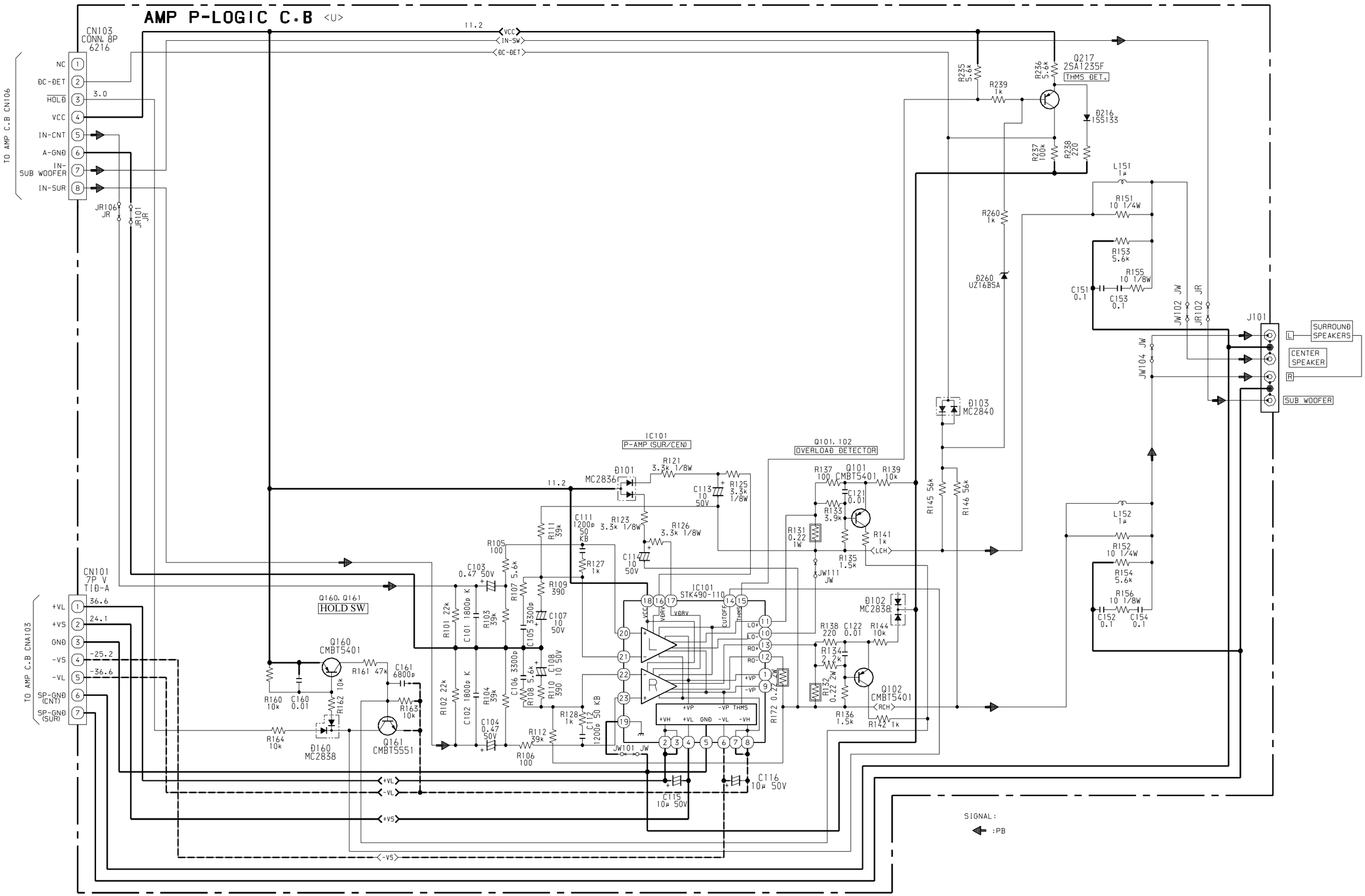

<EZ, K, LH>
J201 (3/4, 1/4)
(2/4)
(4/4)
SURROUND SPEAKERS
CENTER SPEAKER
SUB WOOFER
<U>
(4/4)
(4/3)
SPEAKERS HIGH FREQ
IC101
IC201
J201
CN102
CN101
CN106
CNA103
EP101
TO MAIN C.B CN102
TO PT C.B CN002
TO MAIN C.B CN101
TO AMP P-LOGIC C.B CN103
TO AMP P-LOGIC C.B CN101
FF-CABLE 8P
WHT
RED

SCHEMATIC DIAGRAM – 9 (AMP 1F)

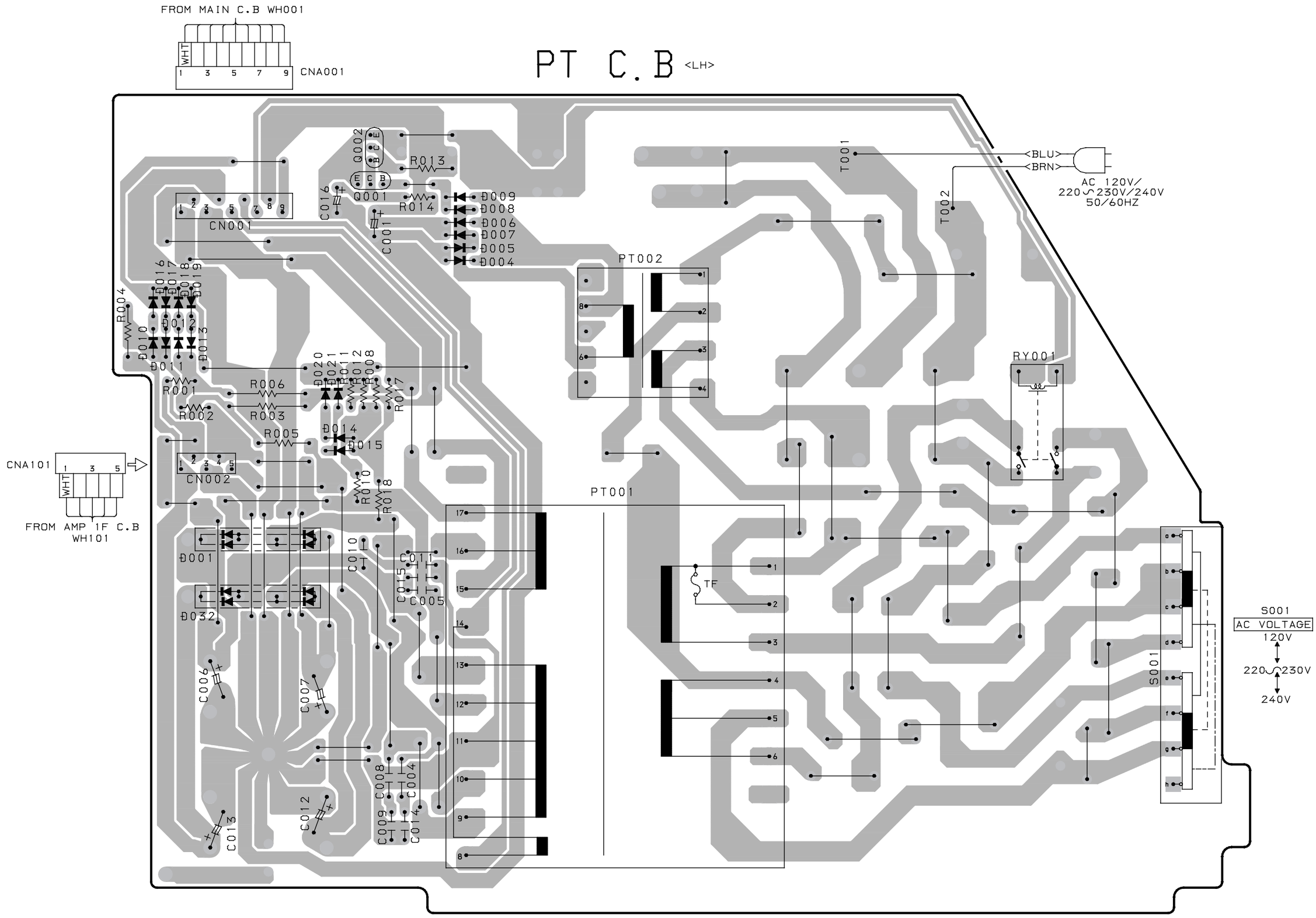


AMP P-LOGIC C.B <U>

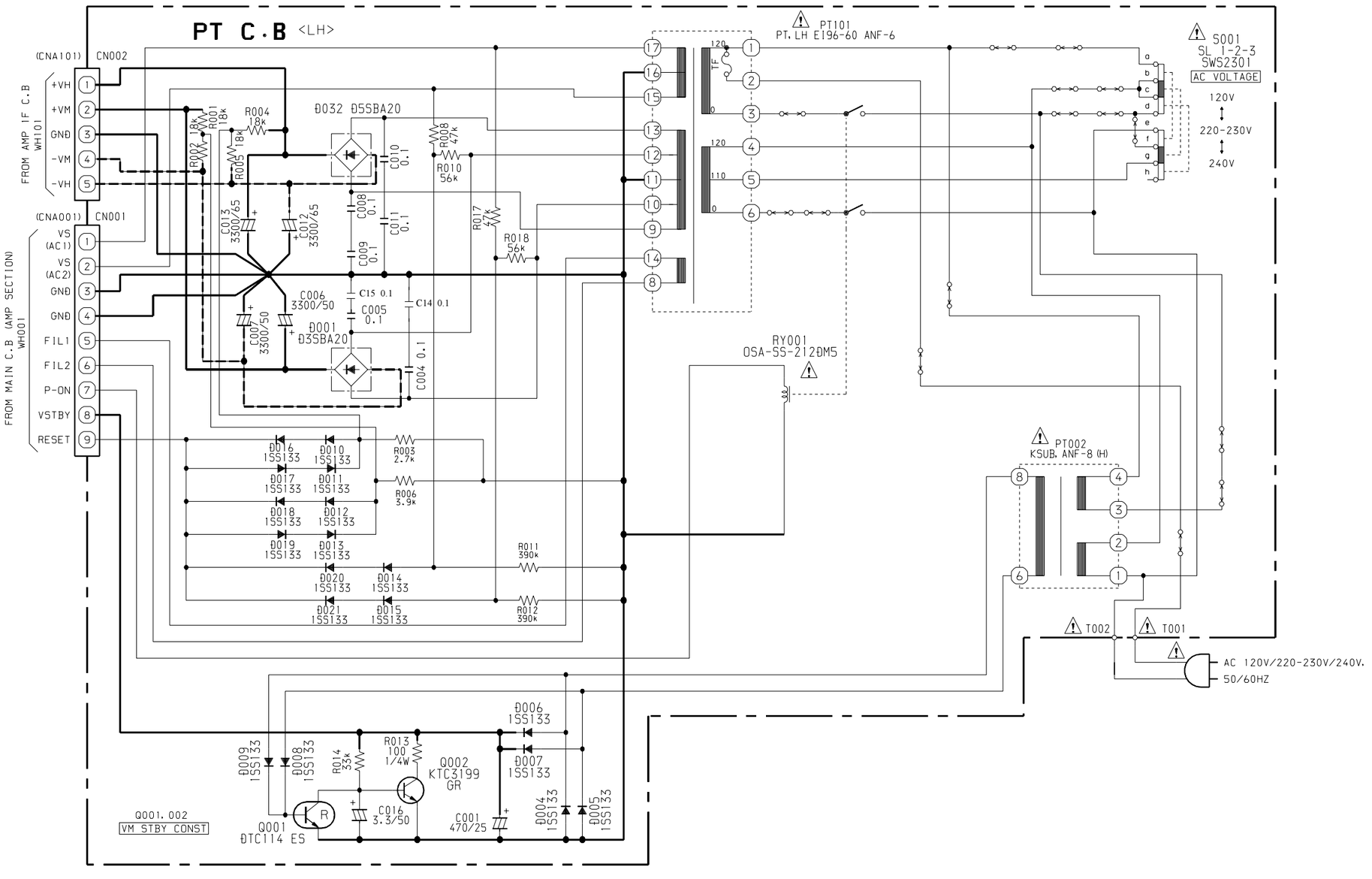



AMP P-LOGIC C.B <U>
CN103
CONN. 8P
6216
NC
DC-DET
HOLD
VCC
IN-CNT
A-GND
IN-SUB WOOFER
IN-SUR
TO AMP C.B CN106
JR106 JR
JR101 JR
11.2
VCC
IN-SW
DC-DET
3.0
Q217
2SA1235F
THMS DET.
R235 5.6k
R236 5.6k
R239 1k
D216 1SS133
R237 100k
R238 220
L151 1µ
R151 10 1/4W
R260 1k
R153 5.6k
R155 10 1/8W
C151 0.1
C153 0.1
D260 UZ16BSA
JW102 JW
JR102 JR
J101
SURROUND SPEAKERS
CENTER SPEAKER
SUB WOOFER
JW104 JW
D103 MC2840
IC101
P-AMP (SUR/CEN)
Q101, 102
OVERLOAD DETECTOR
D101 MC2836
R121 3.3k 1/8W
R125 3.3k 1/8W
C113 10 50V
R123 3.3k 1/8W
R126 3.3k 1/8W
C111 1200p 50 KB
C114 10 50V
R127 1k
R111 39k
R105 100
R137 100
Q101 CMBT5401
R139 10k
C121 0.01
R133 3.9k
R131 0.22 1W
R135 1.5k
R141 1k
LCH
JW111 JW
R145 56k
R146 56k
L152 1µ
R152 10 1/4W
R154 5.6k
R156 10 1/8W
C152 0.1
C154 0.1
CN101
7P V
TIB-A
+VL 36.6
+VS 24.1
GND
-VS -25.2
-VL -36.6
SP-GND (CNT)
SP-GND (SUR)
TO AMP C.B CNA103
Q160, Q161
HOLD SW
C103 0.47 50V
R101 22k
C101 1800p K
R103 39k
R107 5.6k
R109 390
C105 3300p
C107 10 50V
IC101
STK490-110
VCC
VDRV
VQRV
CUTOFF
THMS
LO+
LO-
RO+
RO-
+VP
-VP
+VH
+VL
GND
-VL
-VH
D102 MC2838
R138 220
C122 0.01
R144 10k
R134 2.2k
R132 0.22 2W
Q102 CMBT5401
RCH
R136 1.5k
R142 1k
Q160 CMBT5401
R161 47k
C161 6800p
R160 10k
C160 0.01
R162 10k
R163 10k
R164 10k
D160 MC2838
Q161 CMBT5551
R102 22k
C102 1800p K
R104 39k
C106 3300p
R108 5.6k
R110 390
C108 10 50V
C104 0.47 50V
R112 39k
R106 100
R128 1k
C112 1200p 50 KB
JW101 JW
R172 0.22 2W
C115 10µ 50V
C116 10µ 50V
+VL
-VL
+VS
-VS
SIGNAL:
:PB

PT C.B <LH>


FROM MAIN C.B WH001
WHT
1 3 5 7 9
CNA001
CNA101
1 3 5
WHT
FROM AMP 1F C.B
WH101
CN001
CN002
Q001
Q002
R001
R002
R003
R004
R005
R006
R010
R013
R014
R017
R018
Đ001
Đ004
Đ005
Đ006
Đ007
Đ008
Đ009
Đ010
Đ011
Đ012
Đ013
Đ014
Đ015
Đ016
Đ017
Đ018
Đ019
Đ020
Đ021
Đ032
C001
C002
C003
C004
C005
C006
C007
C008
C009
C010
C011
C012
C013
C014
C015
C016
PT001
PT002
TF
T001
T002
RY001
S001
AC VOLTAGE
120V
220~230V
240V
<BLU>
<BRN>
AC 120V/
220~230V/240V
50/60HZ

SCHEMATIC DIAGRAM – 11 (PT : LH)



PT C.B <U, EZ, K>

FROM MAIN C.B WH001

CNA001

CNA101

FROM AMP 1F C.B WH101

CN001 CN002

RY002 PT002 PT001 TF

T001 T002

<BLK> <WHT> AC120V 60HZ <U> AC230V 60HZ <EZ, K>

<U> R099

Q001 Q002

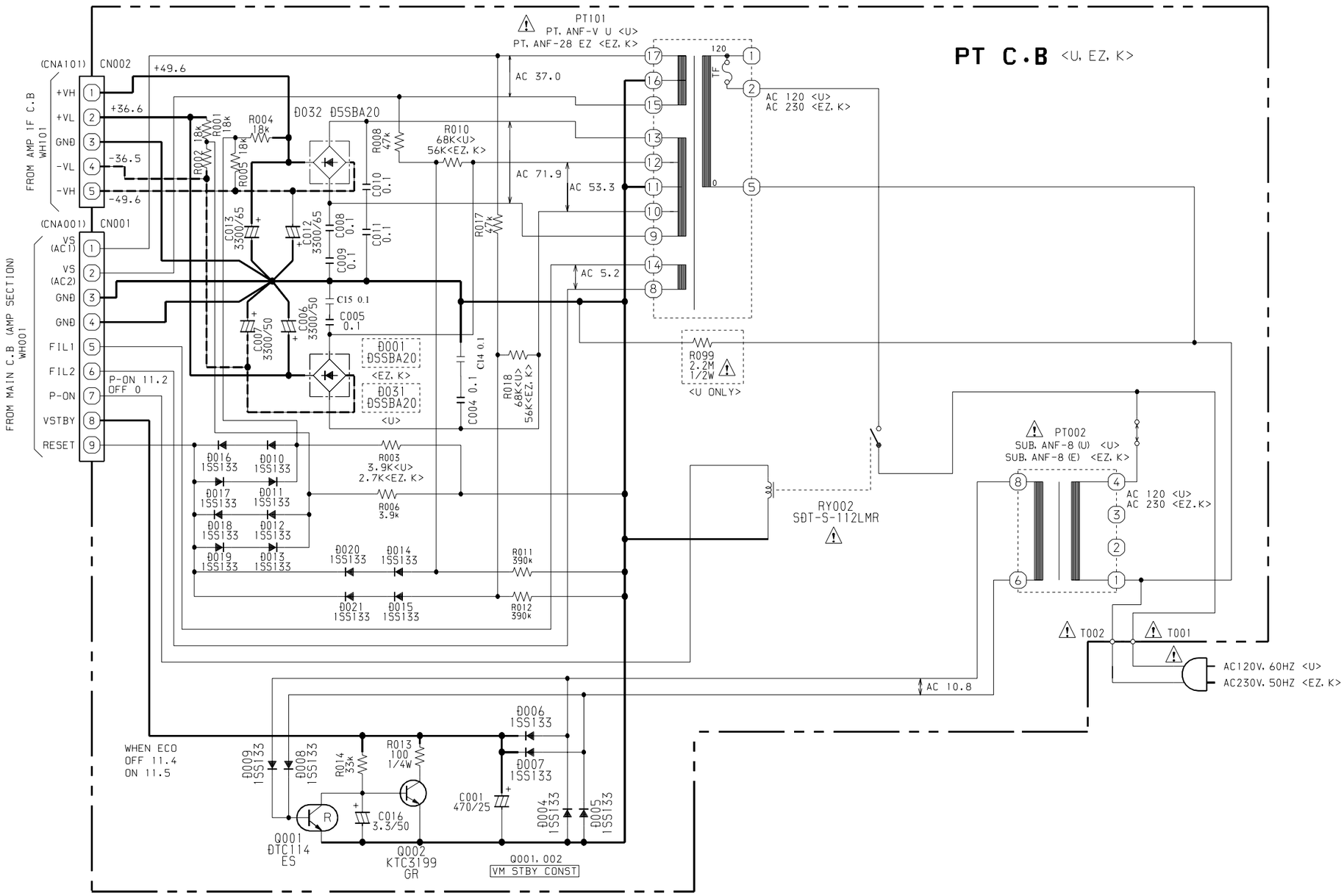
D001 <EZ, K> D031 <U> D032

D004 D005 D006 D007 D008 D009 D010 D011 D012 D013 D014 D015 D016 D017 D018 D019 D020 D021

R001 R002 R003 R004 R005 R006 R007 R008 R010 R011 R012 R013 R014 R017 R018

C001 C002 C003 C004 C005 C006 C007 C008 C009 C010 C011 C012 C013 C014 C015 C016

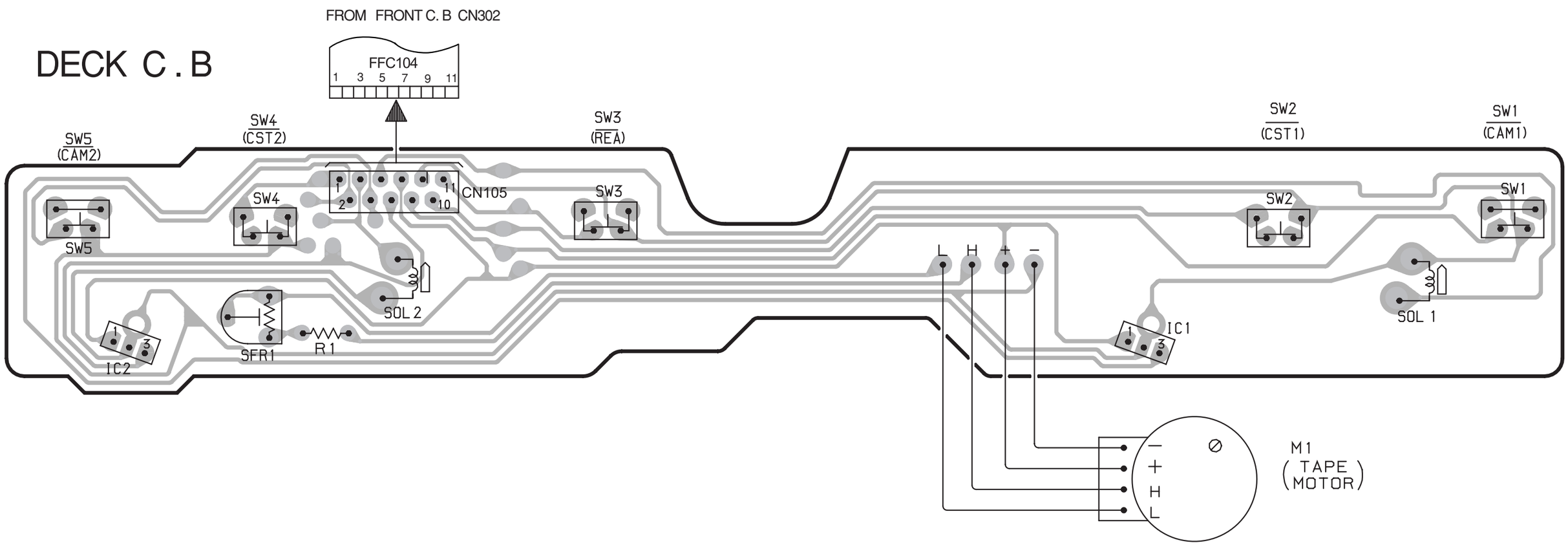
<GRN> <U> <GRN> <U> <EZ, K>

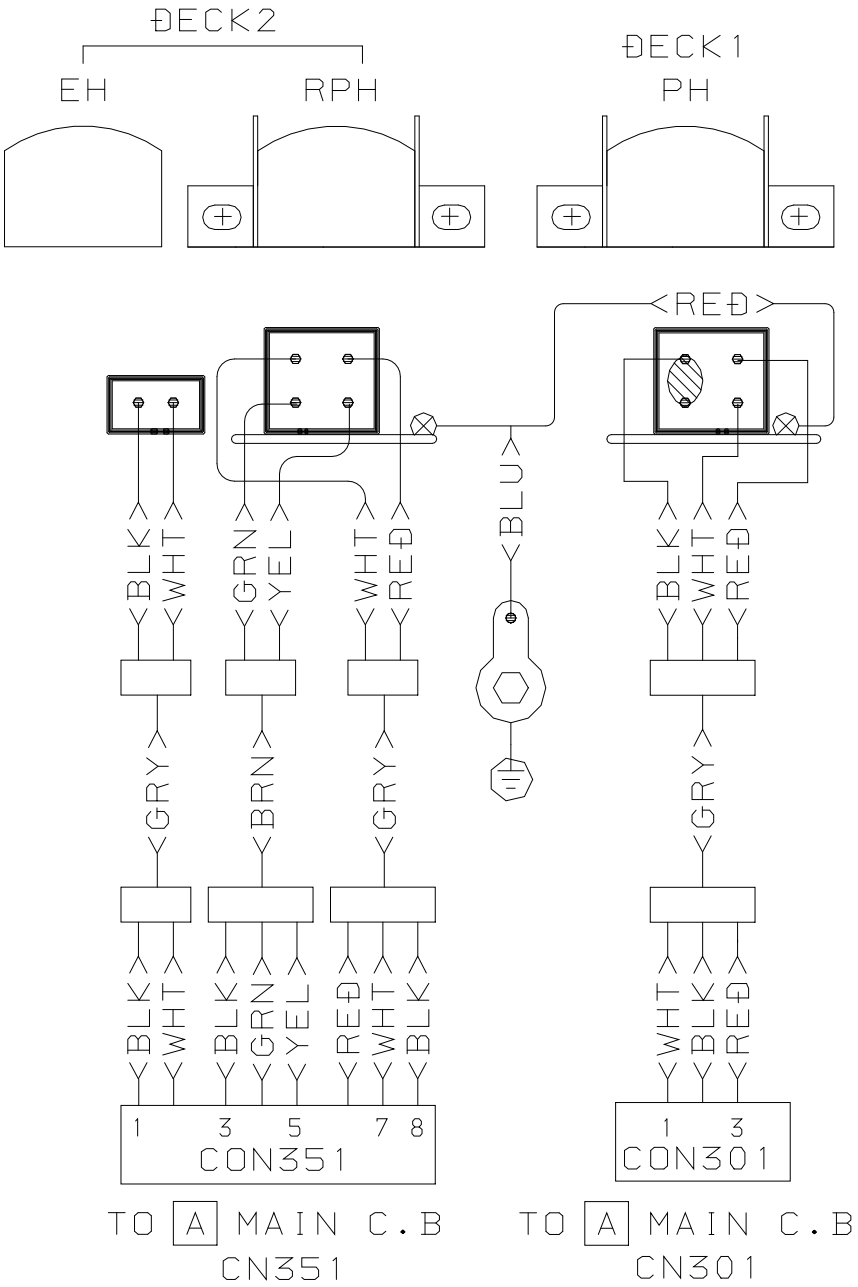

PT C.B <U, EZ, K>
PT101
PT. ANF-V U <U>
PT. ANF-28 EZ <EZ, K>
(CNA101) CN002
FROM AMP IF C.B WH101
+VH
+VL
GND
-VL
-VH
+49.6
+36.6
-36.5
-49.6
(CNA001) CN001
FROM MAIN C.B (AMP SECTION) WH001
VS (AC1)
VS (AC2)
GND
GND
FIL1
FIL2
P-ON
VSTBY
RESET
P-ON 11.2
OFF 0
AC 37.0
AC 71.9
AC 53.3
AC 5.2
AC 120 <U>
AC 230 <EZ. K>
TF
R001 18k
R002 18k
R004 18k
R005 18k
R008 47k
R010 68K<U> 56K<EZ, K>
R017 47k
R099 2.2M 1/2W
<U ONLY>
Ð032 Ð5SBA20
Ð001 Ð5SBA20 <EZ. K>
Ð031 Ð5SBA20 <U>
C010 0.1
C011 0.1
C012 3300/65
C013 3300/65
C008 0.1
C009 0.1
C15 0.1
C005 0.1
C006 3300/50
C007 3300/50
C004 0.1
C14 0.1
R018 68K<U> 56K<EZ, K>
R003 3.9K<U> 2.7K<EZ, K>
R006 3.9k
R011 390k
R012 390k
Ð016 1SS133
Ð010 1SS133
Ð017 1SS133
Ð011 1SS133
Ð018 1SS133
Ð012 1SS133
Ð019 1SS133
Ð013 1SS133
Ð020 1SS133
Ð014 1SS133
Ð021 1SS133
Ð015 1SS133
RY002 SÐT-S-112LMR
PT002
SUB. ANF-8 (U) <U>
SUB. ANF-8 (E) <EZ, K>
AC 120 <U>
AC 230 <EZ.K>
T002
T001
AC120V, 60HZ <U>
AC230V, 50HZ <EZ, K>
AC 10.8
WHEN ECO
OFF 11.4
ON 11.5
Ð009 1SS133
Ð008 1SS133
R014 33k
R013 100 1/4W
C016 3.3/50
C001 470/25
Ð006 1SS133
Ð007 1SS133
Ð004 1SS133
Ð005 1SS133
Q001 ÐTC114 ES
Q002 KTC3199 GR
Q001, 002 VM STBY CONST

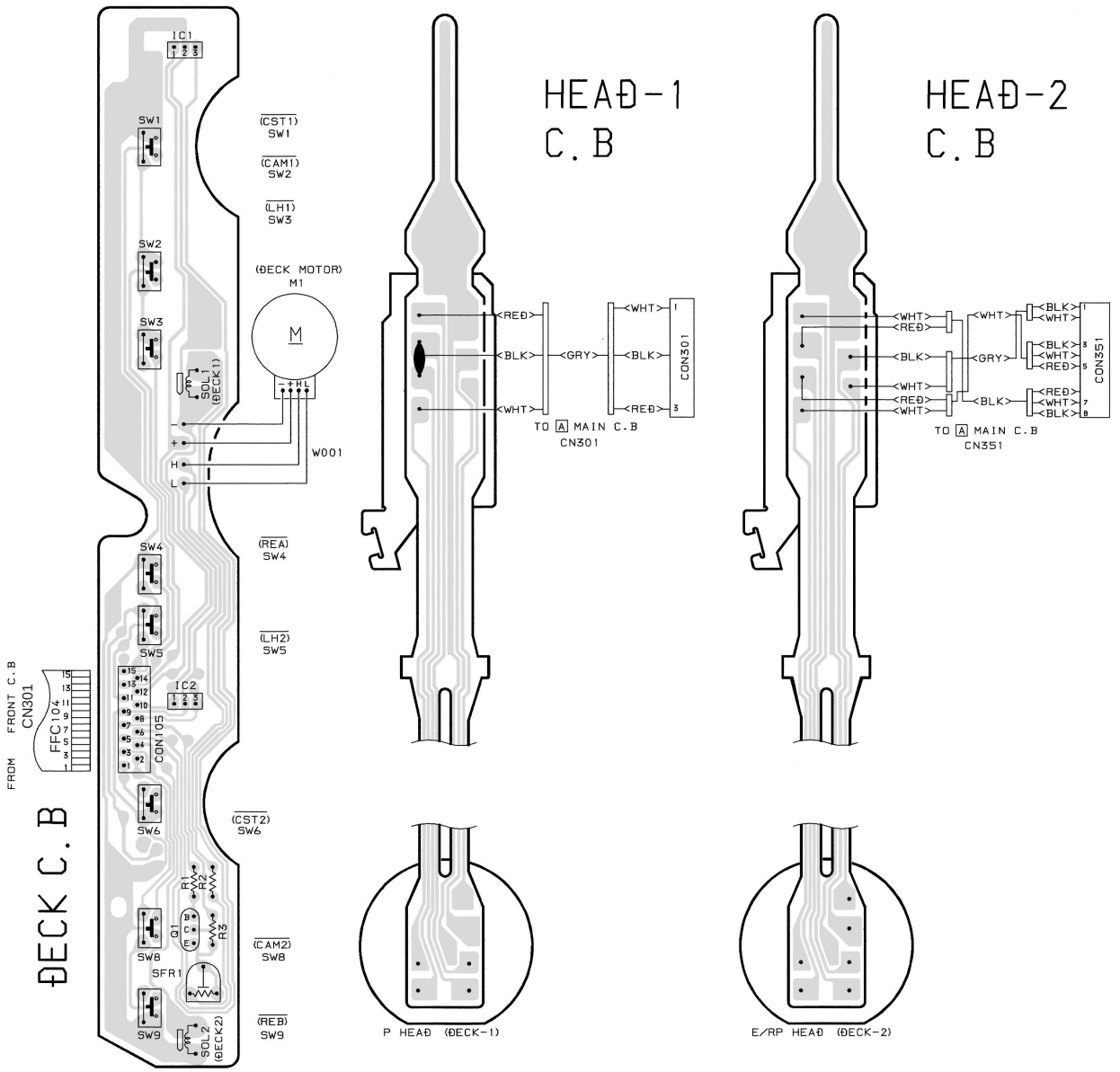
32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

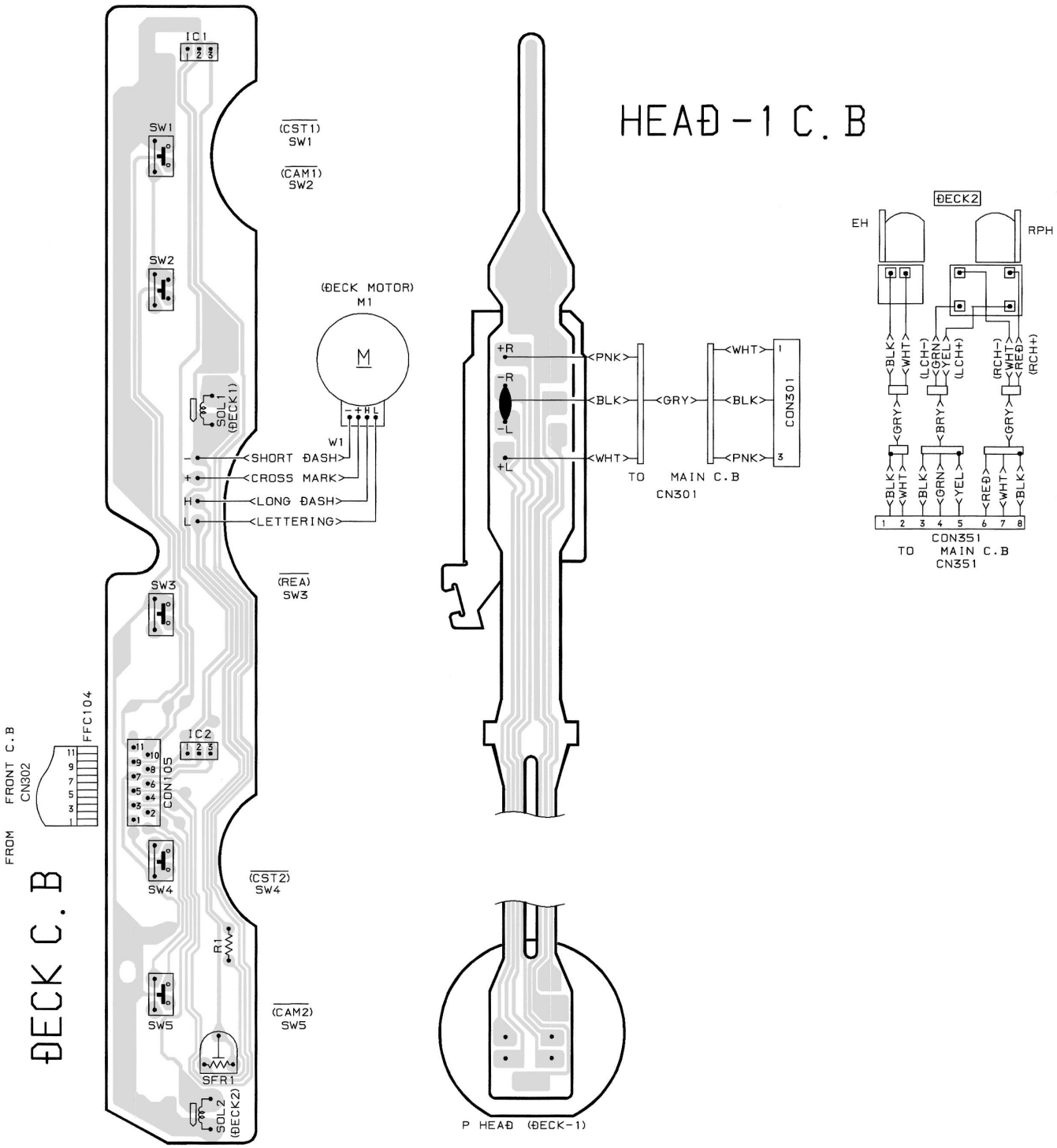
A B C D E F G H I J K L M N O P Q R S T U

DECK C . B

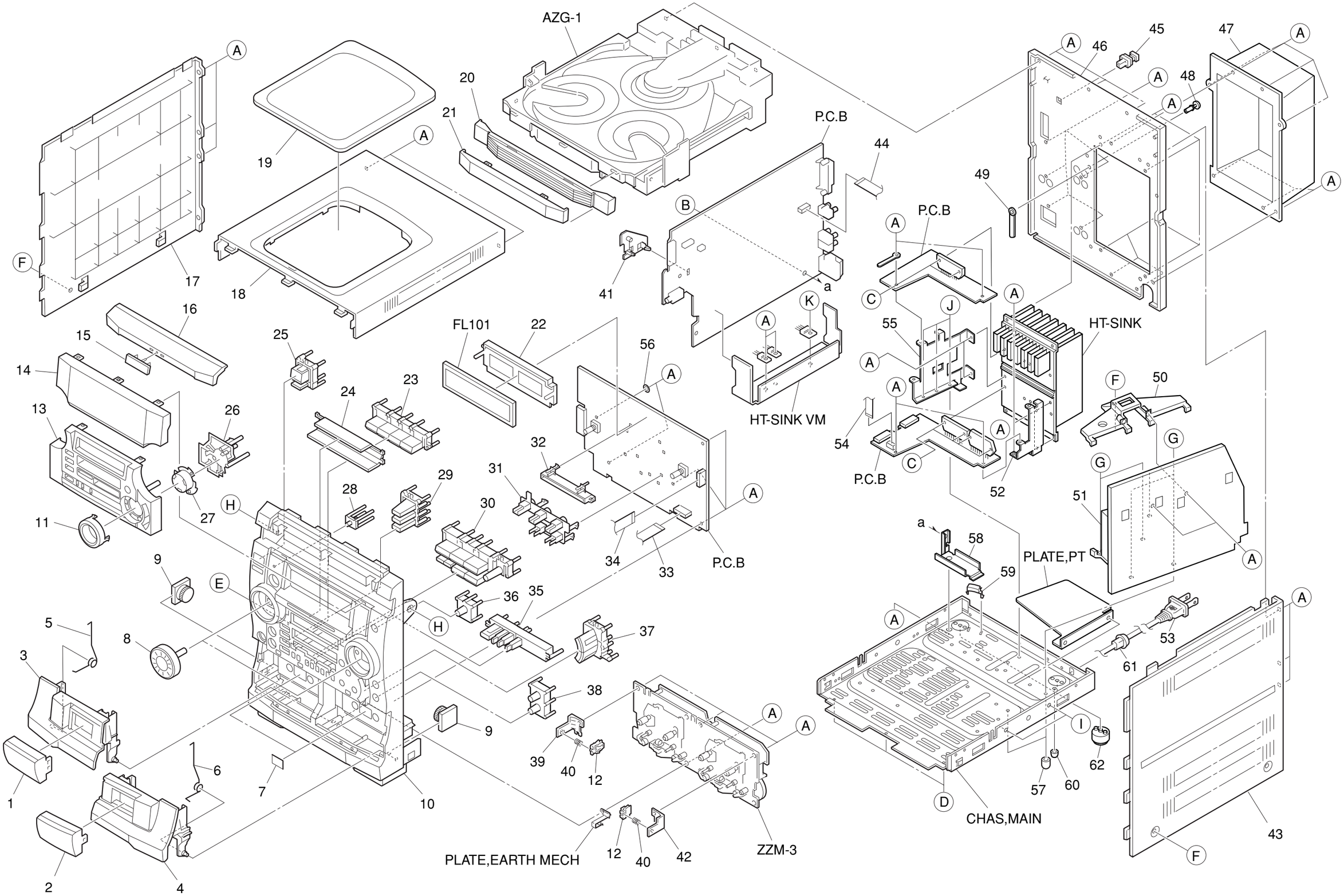



DECK2
EH
RPH
DECK1
PH
<RED>
BLU
BLK
WHT
GRN
YEL
WHT
RED
BLK
WHT
RED
GRY
BRN
GRY
GRY
BLK
WHT
BLK
GRN
YEL
RED
WHT
BLK
WHT
BLK
RED
1 3 5 7 8
CON351
1 3
CON301
TO A MAIN C.B
CN351
TO A MAIN C.B
CN301


DECK C.B
FROM FRONT C.B
CN301
FFC104
CON105
IC1
IC2
SW1
SW2
SW3
SW4
SW5
SW6
SW8
SW9
(CST1) SW1
(CAM1) SW2
(LH1) SW3
(DECK MOTOR) M1
M
SOL1 (DECK1)
W001
(REA) SW4
(LH2) SW5
(CST2) SW6
(CAM2) SW8
(REB) SW9
SFR1
Q1
R1
R2
R3
SOL2 (DECK2)
HEAD-1 C.B
HEAD-2 C.B
RED
BLK
GRY
WHT
CN301
TO A MAIN C.B CN301
CN351
TO A MAIN C.B CN351
P HEAD (DECK-1)
E/RP HEAD (DECK-2)


HEAD-1 C.B
DECK C.B
IC1
SW1
(CST1)
SW1
(CAM1)
SW2
SW2
(DECK MOTOR)
M1
SOL1
(DECK1)
W1
SHORT DASH
CROSS MARK
LONG DASH
LETTERING
SW3
(REA)
SW3
FFC104
FROM FRONT C.B
CN302
IC2
CON105
SW4
(CST2)
SW4
R1
SW5
(CAM2)
SW5
SFR1
SOL2
(DECK2)
+R
-R
-L
+L
PNK
BLK
WHT
GRY
TO MAIN C.B
CN301
CON301
P HEAD (DECK-1)
DECK2
EH
RPH
(LCH-)
(LCH+)
(RCH-)
(RCH+)
CON351
TO MAIN C.B
CN351

MECHANICAL EXPLODED VIEW 1 / 1 <U>



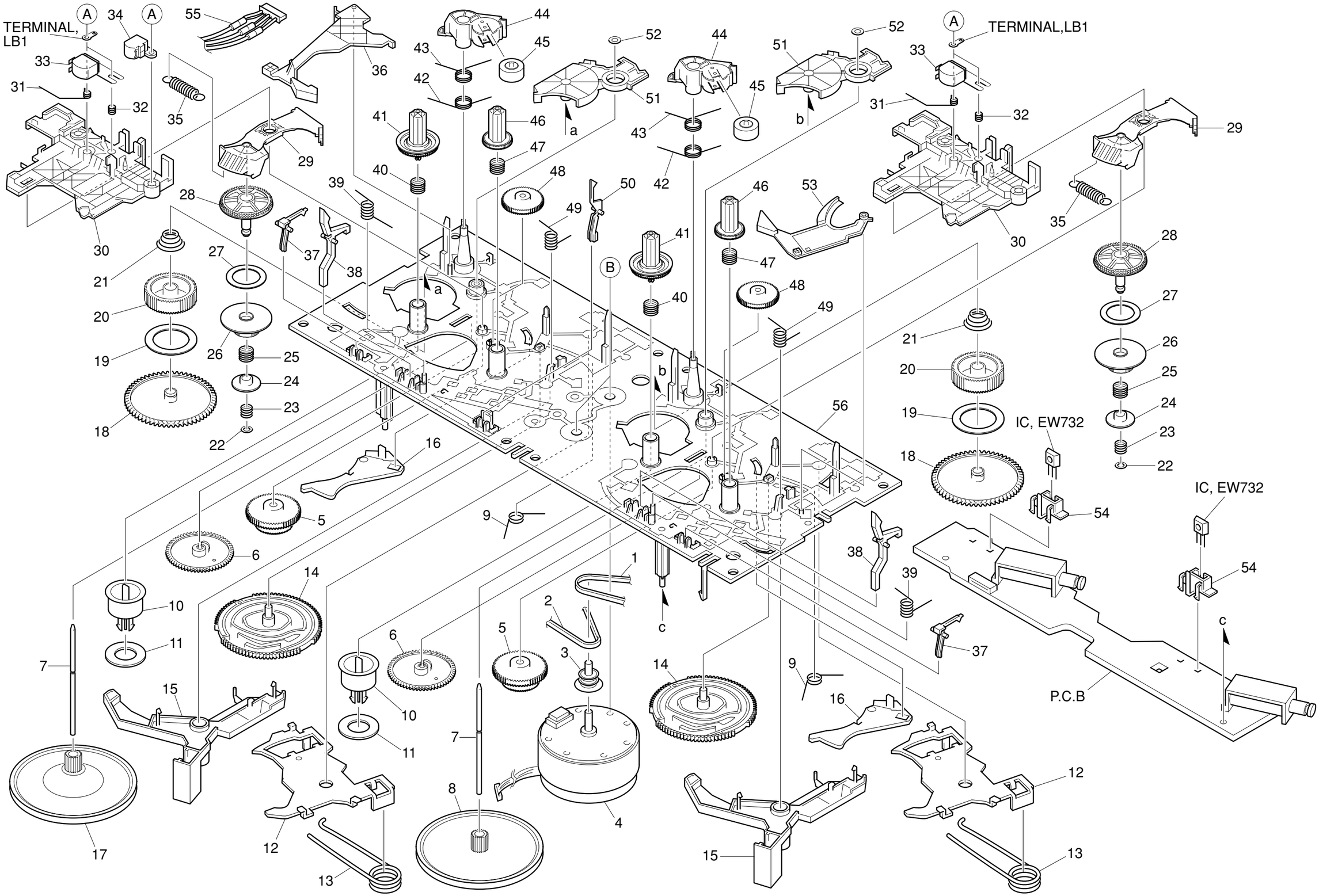
MECHANICAL PARTS LIST 1 / 1 <U>

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8A-NF8-014-010		WINDOW,CASS 1
2	8A-NF8-015-010		WINDOW,CASS 2
3	8A-NF8-003-010		BOX,CASS 1 U
4	8A-NF8-004-010		BOX,CASS 2 U
5	8A-NF8-207-010		SPR-T,EJECT 1
6	8A-NF8-208-010		SPR-T,EJECT 2
7	81-532-080-010		LABEL, CASS. COMPT
8	8A-NF8-019-010		KNOB,RTRY JOG
9	8A-NF8-209-010		OIL-DMPR,120
10	8A-NFV-001-010		CABI,FR U
11	8A-NF8-034-010		PANEL,DIRECT
12	82-NF5-229-010		PLATE,LOCK
13	8A-NFV-002-010		PANEL,FR U
14	8A-NFV-010-010		WINDOW,DISP U
15	87-CE3-023-010		BADGE,AIWA 30N SILV
16	8A-NF8-009-010		PANEL,CD
17	8A-NF8-007-010		PANEL,LEFT V-2
18	8A-NF8-005-010		PANEL,TOP
19	8A-NF8-006-010		WINDOW,TOP
20	8A-NF8-010-010		PANEL,TRAY
21	8A-NF8-011-010		WINDOW,TRAY
22	88-NF8-205-010		GUIDE,FL
23	8A-NF8-020-010		KEY,FUN
24	8A-NF8-018-110		REFLECTOR,FUN
25	8A-NF8-016-010		KEY,POWER
26	8A-NF8-031-010		KEY,DISC
27	8A-NF8-032-010		CAP, DISC
28	8A-NF8-017-010		REFLECTOR,ECO
29	8A-NF8-022-010		KEY,GEQ
30	8A-NF8-035-010		KEY,ASSY OPE 1WAY
31	8A-NF8-202-010		GUIDE,OPE 1WAY
32	8A-NF8-201-010		GUIDE,FUN
33	88-911-101-110		FF-CABLE,11P 1.25
34	88-913-301-110		FF-CABLE,13P-1.25
35	8A-NFV-008-010		KEY,CD EDIT U
36	8A-NFV-006-010		KEY,PRO
37	8A-NF8-029-010		KEY,OPEN
38	8A-NFV-005-010		KEY,MIC
39	87-NF4-216-010		HLDR,LOCK 1
40	86-NF9-224-010		SPR-C,LOCK
41	8A-NF8-206-010		HLDR,PWB M
42	87-NF4-217-110		HLDR,LOCK 2
43	8A-NF7-112-010		PANEL,RIGHT V-2
44	88-906-251-110		FF-CABLE,6P 1.25
45	84-ZG1-245-210		CAP,OPTICAL
46	8A-NFV-016-010		PANEL,REAR USM
47	8A-NFV-027-010		COVER,REAR STEEL US
48	87-084-077-010		RIVET,NYL 3.5-4.5
49	87-064-185-010		HLDR,WIRE PVC 0.5
50	8A-NF6-217-010		HLDR,PWB PT
⚠ 51	8A-NFV-604-010		PT,ANF-V U
52	8A-NF7-208-010		HLDR,HT R
⚠ 53	87-A80-110-010		AC CORD ASSY,U SPT-2W
54	88-908-151-110		FF-CABLE,8P 1.25-150MM
55	8A-NF7-207-010		HLDR,HT L
56	85-NF7-599-010		PV,CW 3.2-8-0.8
57	8Z-NB8-240-010		COVER, PL
58	8A-NF7-209-010		HLDR,PWB-M BTM
59	87-NF4-221-010		HLDR,CABLE
60	8Z-NB8-254-010		COVER, PL M3
61	87-A91-422-010		BUSHING,AC CORD(U)
62	87-085-221-010		FOOT,H13.5
A	87-067-703-010		TAPPING SCREW, BVT2+3-10
B	87-NF4-224-010		S-SCREW,IT3B+3-8 CU
C	87-067-581-010		TAPPING SCREW, BVT2+3-15
D	87-067-688-010		BVTT+3-6
E	87-723-096-410		QT2+3-10W/O SLOT BL
F	87-067-641-010		UTT2+3-8(W/O SLOT)BL
G	87-078-191-010		S-SCREW,IT+4-10
H	87-721-097-410		QT2+3-12 GLD
I	87-721-095-410		QT2+3-8 W/O SLOT
J	87-067-584-010		TAPPING SCREW, BVT2+3-6
K	87-067-001-010		S-SCREW,BVWWST2+3-12

COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange	GM	Metallic Green
YM	Metallic Yellow	DM	Metallic Orange		

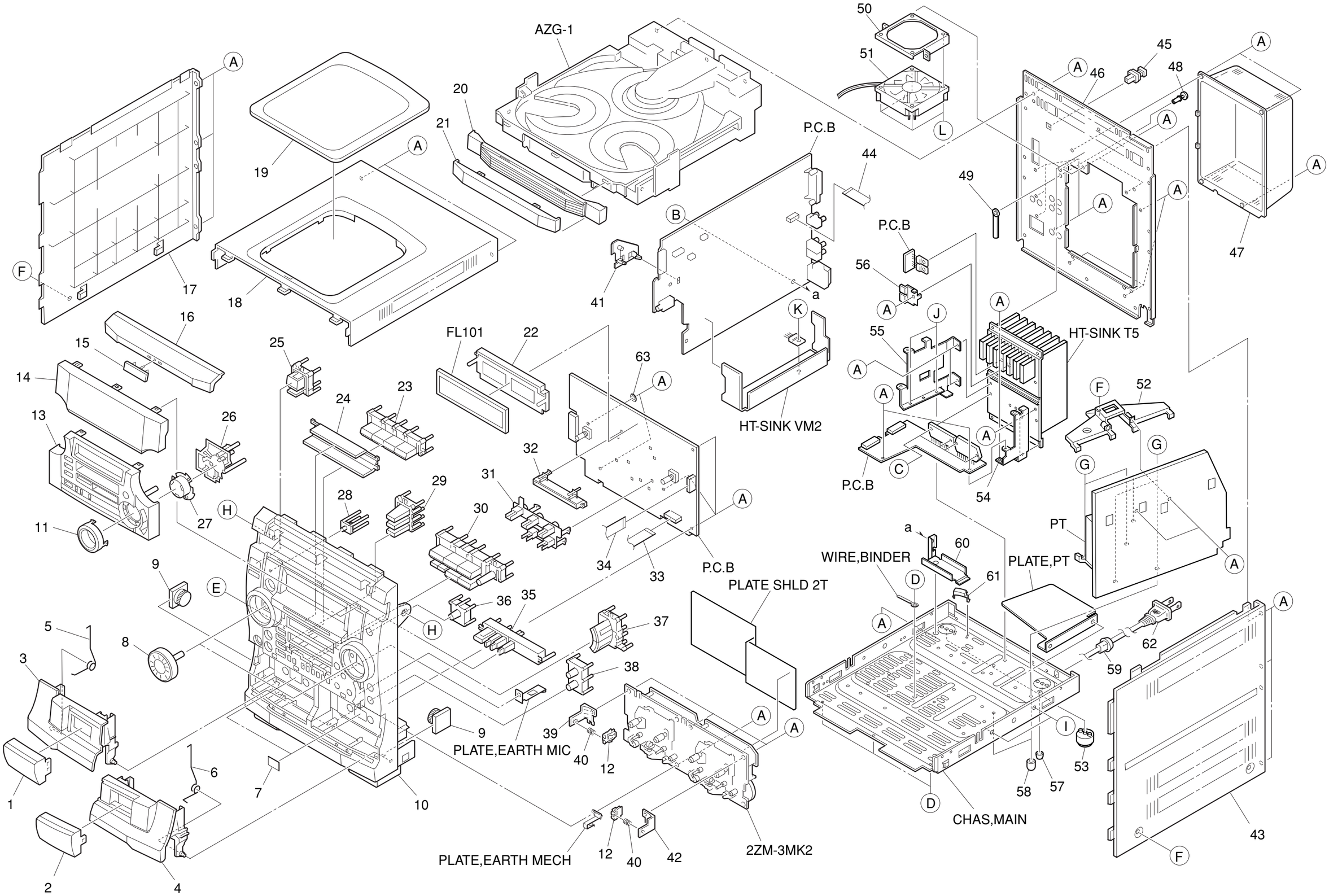
TAPE MECHANISM EXPLODED VIEW 1 / 1 <U>



TAPE MECHANISM PARTS LIST 1 / 1 <U>

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8Z-ZM3-227-010		BELT,MAIN M3
2	8Z-ZM3-235-010		BELT,MAIN L
3	8Z-ZM1-235-010		PULLEY,MOT
4	87-045-347-010		MOT,SHU2L 70
5	8Z-ZM1-232-010		GEAR,IDL FF/REW
6	8Z-ZM3-244-010		GEAR,CAM TD20
7	8Z-ZM3-242-010		SHAFT,CAP M3
8	8Z-ZM3-228-010		FLY-WHL,M3
9	8Z-ZM3-231-010		SPR-T,TRIG
10	8Z-ZM3-213-010		CLR,MG
11	82-ZM3-616-010		RING MAGNET 4
12	8Z-ZM3-243-010		LEVER ASSY,HD UP
13	8Z-ZM3-238-010		SPR-T,HD UP
14	8Z-ZM3-219-010		GEAR,CAM M3
15	8Z-ZM3-206-010		LEVER,TRIG
16	8Z-ZM3-209-010		LEVER,CAM FR
17	8Z-ZM2-211-010		FLY-WHL,ZZM-2
18	8Z-ZM1-228-010		GEAR,SLIP T-UP B
19	8Z-ZM1-265-010		FELT,T-UP
20	8Z-ZM1-227-010		GEAR,SLIP T-UP A
21	8Z-ZM1-251-110		SPR-C,T-UP SLIP
22	8Z-ZM1-275-010		W-L,1,47-4-0.25
23	8Z-ZM1-257-010		SPR-C,F/R
24	8Z-ZM1-236-010		CLR,SLIP FF/REW
25	8Z-ZM3-226-010		SPR-C,FR M3
26	8Z-ZM3-250-010		GEAR,SLIP F/R A M3
27	8Z-ZM1-269-010		FELT,FF/REW 2
28	8Z-ZM1-238-110		GEAR,SLIP FF/REW B 2
29	8Z-ZM3-220-010		LEVER,FR M3
30	8Z-ZM3-205-010		LEVER,PLAY M3
31	8Z-ZM3-233-010		SPR-T,BRG M3
32	84-ZM2-227-310		SPR-C,AZIMUTH
33	87-A90-403-110		HEAD,RPH MS15R
34	87-A90-404-010		HEAD,EH LE15B
35	8Z-ZM3-239-010		SPR-E,FR
36	8Z-ZM3-211-010		LEVER,EJECT R
37	8Z-ZM3-225-010		LEVER,STOP
38	8Z-ZM3-221-010		LEVER,CAS
39	8Z-ZM3-234-010		SPR-T,LVR CAS
40	8Z-ZM3-223-010		SPR-C,REEL R M3
41	8Z-ZM1-225-110		GEAR,REEL R
42	8Z-ZM3-240-010		SPR-T,T-UP M3
43	8Z-ZM3-237-010		SPR-T,PINCH M3
44	8Z-ZM3-215-010		LEVER,PINCH M3
45	8Z-ZM1-261-110		ROLLER ASSY,PINCH
46	8Z-ZM1-226-010		GEAR,REEL L
47	8Z-ZM3-222-010		SPR-C,REEL L M3
48	8Z-ZM3-251-010		GEAR,IDL REW M3
49	8Z-ZM3-236-010		SPR-T,PLAY M3
50	82-ZM1-240-110		LVR,REC(*)
51	8Z-ZM3-216-010		LEVER,T-UP M3
52	87-B10-301-010		W-L,1.63-3.2-05 SLIT
53	8Z-ZM3-212-010		LEVER,EJECT L
54	8Z-ZM3-214-010		HLDR,IC
55	86-ZM3-605-110		CONN ASSY,8P -RPB
56	8Z-ZM3-203-010		CHAS ASSY,M3
A	84-ZM2-242-010		S-SCREW,AZ1-2-6.4
B	8Z-ZM2-220-110		V+2.6 ZZM-2

MECHANICAL EXPLODED VIEW 1 / 1 <LH>



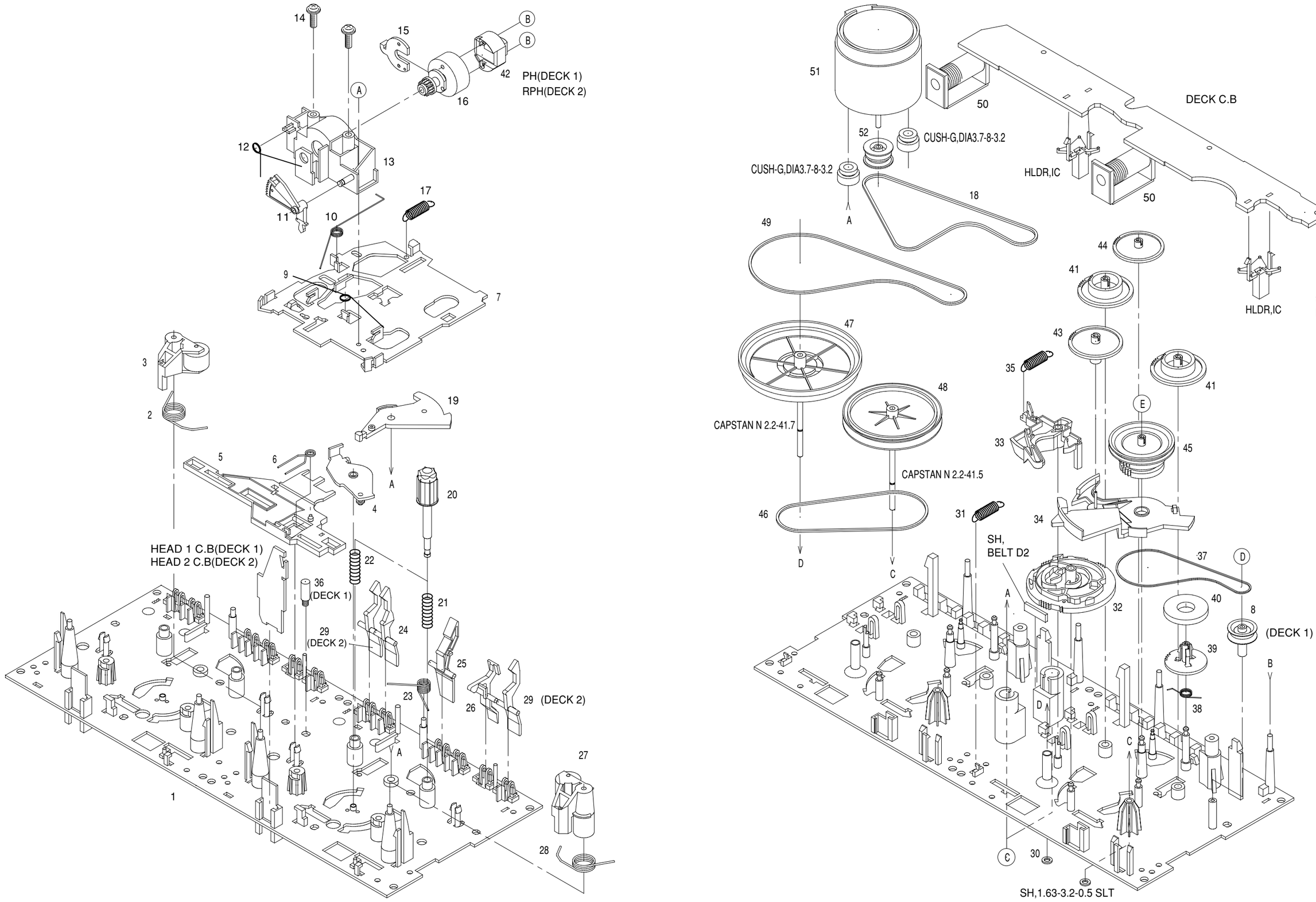
MECHANICAL PARTS LIST 1 / 1 <LH>

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8A-NF8-014-010		WINDOW,CASS 1
2	8A-NF8-015-010		WINDOW,CASS 2
3	8A-NF8-042-010		BOX,CASS 1H
4	8A-NF8-043-010		BOX,CASS 2H
5	82-NF5-218-010		SPR-T,EJECT 1 (SIN)
6	82-NF5-219-010		SPR-T,EJECT 2 (SIN)
7	81-532-080-010		LABEL, CASS. COMPT
8	8A-NF8-019-010		KNOB,RTRY JOG
9	8Z-NF6-210-010		DMPR,150 N
10	8A-NFV-014-010		CABI,FR EZ
11	8A-NF8-034-010		PANEL,DIRECT
12	82-NF5-229-010		PLATE,LOCK
13	8A-NFV-004-010		PANEL,FR H
14	8A-NFV-012-010		WINDOW,DISP H
15	87-CE3-023-010		BADGE,AIWA 30N SILV
16	8A-NF8-009-010		PANEL,CD
17	8A-NF8-007-010		PANEL,LEFT V-2
18	8A-NF8-005-010		PANEL,TOP
19	8A-NF8-006-010		WINDOW,TOP
20	8A-NF8-010-010		PANEL,TRAY
21	8A-NF8-011-010		WINDOW,TRAY
22	88-NF8-205-010		GUIDE,FL
23	8A-NF8-020-010		KEY,FUN
24	8A-NF8-018-110		REFLECTOR,FUN
25	8A-NF8-016-010		KEY,POWER
26	8A-NF8-031-110		KEY,DISC
27	8A-NF8-032-010		CAP, DISC
28	8A-NF8-017-010		REFLECTOR,ECO
29	8A-NF8-022-010		KEY,GEQ
30	8A-NF8-036-010		KEY,ASSY OPE REV
31	8A-NF8-203-010		GUIDE,OPE REV
32	8A-NF8-201-010		GUIDE,FUN
33	88-915-101-110		FF-CABLE, 15P 1.25 100MM
34	88-913-301-110		FF-CABLE,13P-1.25
35	8A-NF8-037-010		KEY,CD EDIT H
36	8A-NFV-006-010		KEY,PRO
37	8A-NF8-029-110		KEY,OPEN
38	8A-NFV-005-010		KEY,MIC
39	87-NF4-216-010		HLDR,LOCK 1
40	86-NF9-224-010		SPR-C,LOCK
41	8A-NF8-206-010		HLDR,PWB M
42	87-NF4-217-110		HLDR,LOCK 2
43	8A-NF7-112-010		PANEL,RIGHT V-2
44	88-906-251-110		FF-CABLE,6P 1.25
45	84-ZG1-245-210		CAP,OPTICAL
46	8A-NFV-015-010		PANEL,REAR LHSM
47	8A-NHU-053-010		COVER, REAR H
48	87-084-077-010		NYLON RIVET, 3.5-4.5
49	87-064-185-010		HLDR,WIRE
50	8A-NF6-219-010		HLDR,FAN
51	87-A91-711-010		FAN,3110GL-B4W-B34-H02-400MM
52	8A-NF6-217-010		HLDR,PWB PT
53	87-085-221-010		FOOT,H13.5
54	8A-NF7-208-010		HLDR,HT R
55	8A-NF7-207-010		HLDR,HT L
56	8A-NF7-226-010		HLDR,IC2-T2
57	8Z-NB8-254-010		COVER, PL M3
58	8Z-NB8-240-010		COVER, PL
59	87-085-185-010		BUSHING, AC CORD (E)
60	8A-NF7-209-010		HLDR,PWB-M BTM
61	87-NF4-221-010		HLDR,CABLE
⚠ 62	87-A80-092-010		AC CORD ASSY,E BLK SUN FAI
63	87-067-001-010		FW,3.1-5.4-1
A	87-067-703-010		TAPPING SCREW, BVT2+3-10
B	87-NF4-224-010		S-SCREW,IT3B+3-8 CU
C	87-067-581-010		TAPPING SCREW, BVT2+3-15
D	87-067-688-010		BVTT+3-6
E	87-723-096-410		QT2+3-10W/O SLOT BL
F	87-067-641-010		UTT2+3-8(W/O SLOT)BL
G	87-078-191-010		S-SCREW,IT+4-10
H	87-721-097-410		QT2+3-12 GLD
I	87-591-095-410		TAPPING SCREW, QIT+3-8 (GLD)
J	87-067-584-010		TAPPING SCREW, BVT2+3-6
K	87-067-001-010		S-SCREW BVWWST2+3-8
L	87-067-689-010		BVTT+3-8

COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange	GM	Metallic Green
YM	Metallic Yellow	DM	Metallic Orange		

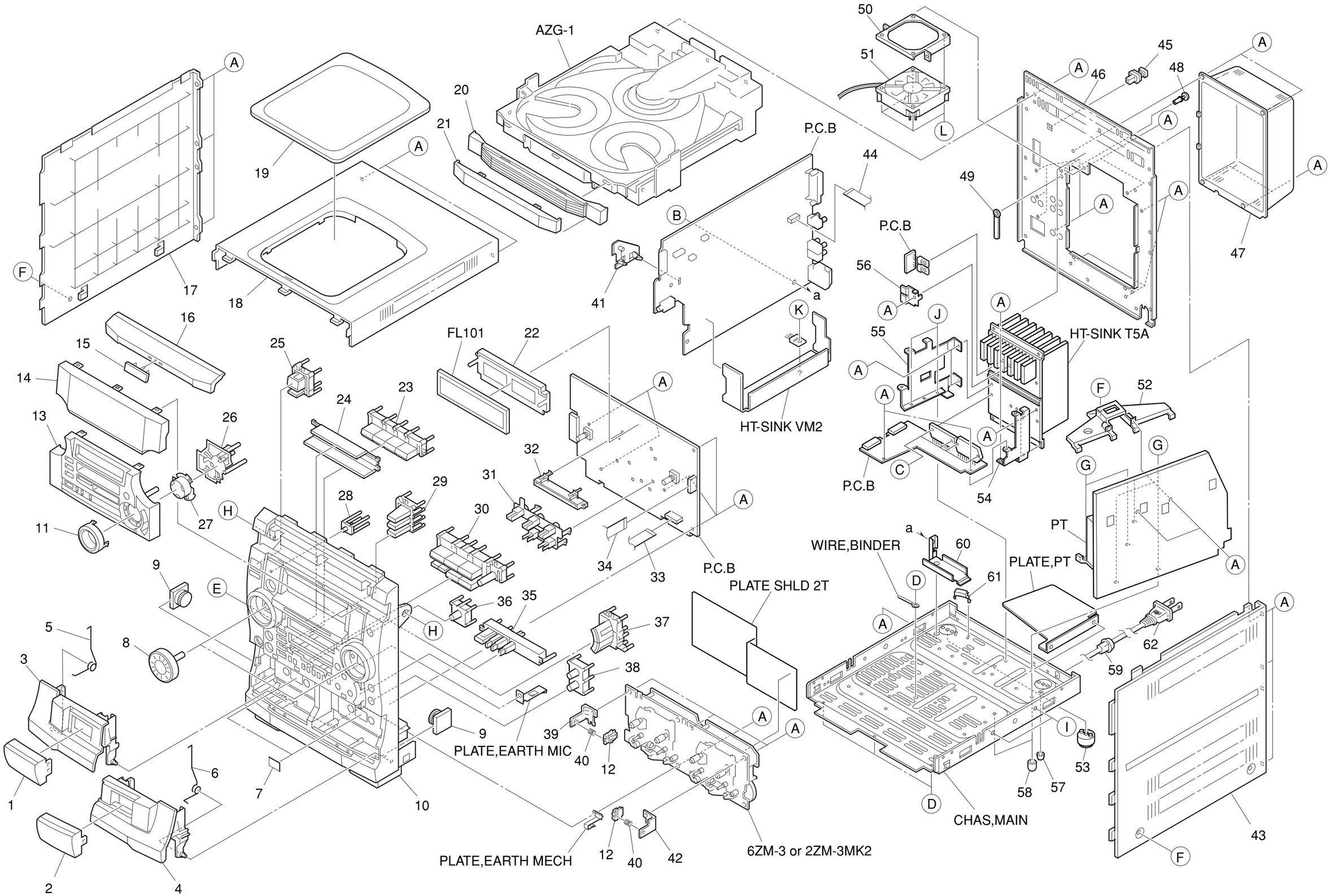
TAPE MECHANISM EXPLODED VIEW 1 / 1 <LH>



TAPE MECHANISM PARTS LIST 1 / 1 <LH>

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	82-ZM3-301-610		CHAS ASSY,M2
2	82-ZM1-258-210		SPR-T,PINCH L
3	82-ZM1-341-210		LVR ASSY,PINCH L2
4	82-ZM1-333-210		PLATE,LINK2
5	82-ZM1-266-310		LVR,DIR
6	82-ZM1-214-010		SPR-T,DIR
7	82-ZM1-206-910		CHAS,HEAD
8	82-ZM3-335-310		PULLEY,COUPLER M3
9	82-ZM1-269-210		SPR-T,BRG
10	82-ZM1-219-110		SPR-T,LINK
11	82-ZM1-210-110		GEAR,H T
12	82-ZM1-213-010		SPR-T,HEAD
13	82-ZM1-207-910		GUIDE,TAPE
14	86-ZM4-206-010		S-SCREW,AZIMUTH L
15	82-ZM1-314-110		PLATE,HEAD
16	82-ZM1-208-310		HLDR,HEAD
17	82-ZM1-218-010		SPR-E,HB
18	82-ZM3-342-010		BELT,SBU MOT 3
19	82-ZM1-222-210		LVR,PLAY
20	82-ZM1-217-410		REEL TABLE
21	82-ZM1-244-510		SPR-C,BT
22	82-ZM1-285-410		SPR-C,BT L
23	82-ZM1-257-010		SPR-T,CAS
24	82-ZM1-241-310		LVR,MC
25	82-ZM1-242-010		LVR,CAS
26	82-ZM1-243-010		LVR,STOP
27	82-ZM1-344-010		LVR ASSY,PINCH R2
28	82-ZM1-259-210		SPR-T,PINCH R
29	82-ZM1-240-110		LVR,REC(*)
30	80-ZM6-243-010		SH 1.75-3.6-0.5 SLT
31	82-ZM1-255-310		SPR-E,LVR DIR
32	82-ZM3-305-210		GEAR,CAM M2
33	82-ZM1-227-310		LVR,TRIG
34	82-ZM3-306-110		LVR,FR M2
35	82-ZM1-265-310		SPR-E,TRIG
36	82-ZM3-339-110		SHAFT,COUPLER N3
37	86-ZM1-206-010		BELT,MAIN L
38	82-ZM1-322-010		SPR-T,FR 60
39	82-ZM1-220-210		GEAR,IDLER
40	82-ZM3-616-010		RING MAGNET 4
41	82-ZM1-216-410		GEAR,REEL
42	87-A90-820-010		HEAD,PH HADKH25 FPC
42	87-A90-821-010		HEAD,RPH HADKH56 FPC
43	82-ZM1-225-210		GEAR,FR
44	82-ZM1-226-010		GEAR,REW
45	82-ZM3-333-310		SLIP DISK ASSY 2
46	82-ZM1-338-110		BELT,FR 4
47	82-ZM1-349-110		FLY-WHL,R W
47	82-ZM1-348-110		FLY-WHL,L W
48	82-ZM3-338-310		FLY-WHL,R3W
49	82-ZM3-329-410		BELT,SBU R2
50	82-ZM1-618-410		SOL ASSY,27
51	87-045-347-010		MOT,SHU2L 70
52	82-ZM3-221-210		PULLEY,MOT 2M
A	85-ZM3-202-010		S-SCREW,TG
B	80-ZM6-207-010		V+1.6-7
C	82-ZM3-318-110		S-SCREW W,MOTOR M2
D	87-B10-043-010		W-P,0.99-4-0.25 SLT
E	82-ZM3-334-010		PW 2.16-6-0.4

MECHANICAL EXPLODED VIEW 1 / 1 <EZ, K>



MECHANICAL PARTS LIST 1 / 1 <EZ, K>

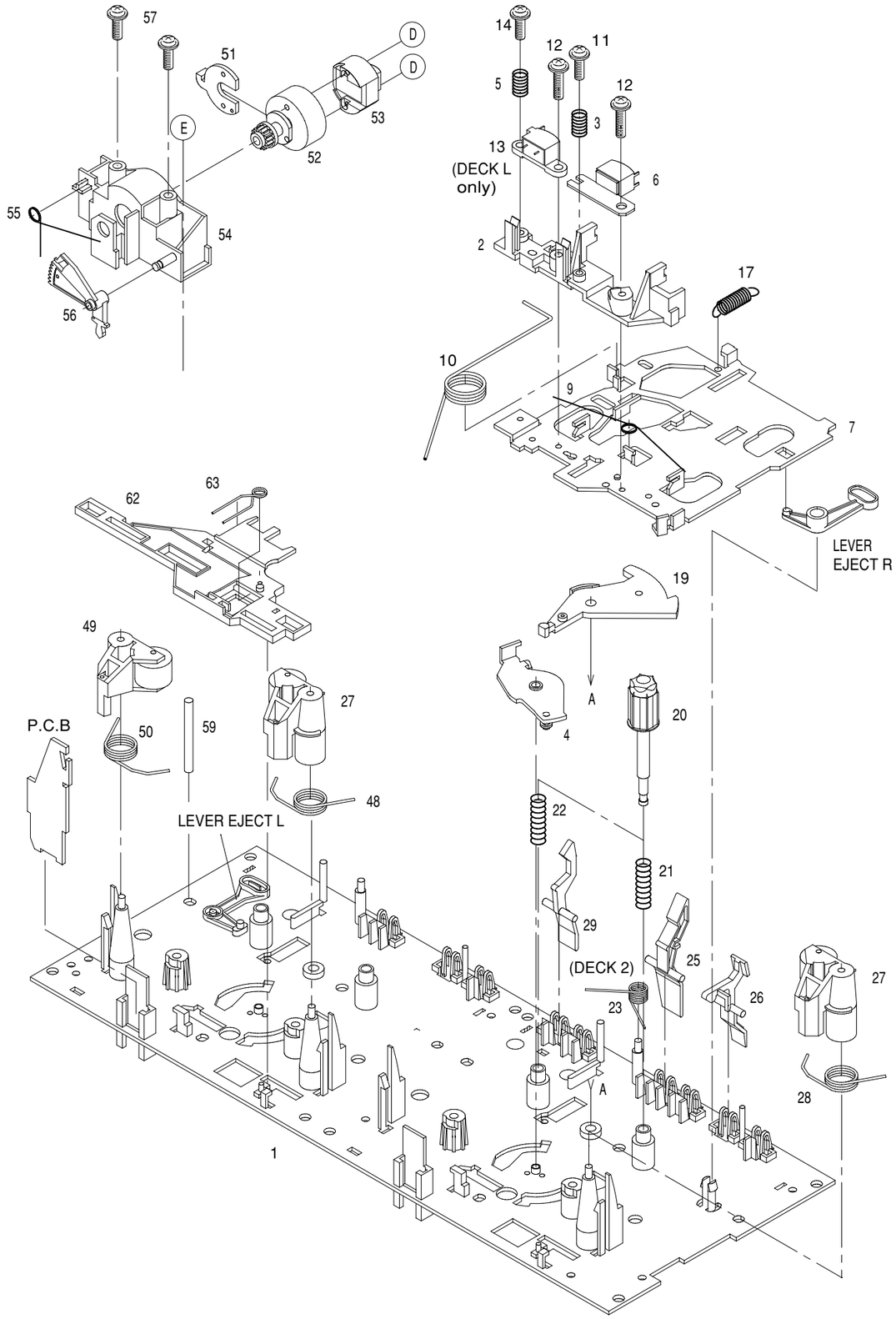
REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8A-NF8-014-010		WINDOW,CASS 1
2	8A-NF8-015-010		WINDOW,CASS 2
3	8A-NF8-042-010		BOX,CASS 1H
4	8A-NF8-004-010		BOX,CASS 2 U
5	8A-NF8-207-010		SPR-T,EJECT 1
6	8A-NF8-208-010		SPR-T,EJECT 2
7	81-532-080-010		LABEL, CASS. COMPT
8	8A-NF8-019-010		KNOB,RTRY JOG
9	8A-NF8-209-010		OIL-DMPR,120
10	8A-NFV-001-010		CABI,FR U
11	8A-NF8-034-010		PANEL,DIRECT
12	82-NF5-229-010		PLATE,LOCK
13	8A-NFV-003-010		PANEL,FR EZ
14	8A-NFV-011-010		WINDOW,DISP E
15	87-CE3-023-010		BADGE,AIWA 30N SILV
16	8A-NF8-009-010		PANEL,CD
17	8A-NF8-007-010		PANEL,LEFT V-2
18	8A-NF8-005-010		PANEL,TOP
19	8A-NF8-006-010		WINDOW,TOP
20	8A-NF8-010-010		PANEL,TRAY
21	8A-NF8-011-010		WINDOW,TRAY
22	88-NF8-205-010		GUIDE,FL
23	8A-NF8-020-010		KEY,FUN
24	8A-NF8-018-110		REFLECTOR,FUN
25	8A-NF8-016-010		KEY,POWER
26	8A-NF8-031-110		KEY,DISC
27	8A-NF8-032-010		CAP, DISC
28	8A-NF8-017-010		REFLECTOR,ECO
29	8A-NF8-022-010		KEY,GEQ
30	8A-NF8-036-010		KEY,ASSY OPE REV
31	8A-NF8-203-010		GUIDE,OPE REV
32	8A-NF8-201-010		GUIDE,FUN
33	88-911-101-110		FF-CABLE,11P 1.25
34	88-913-301-110		FF-CABLE,13P-1.25
35	8A-NFV-009-010		KEY,CD EDIT E

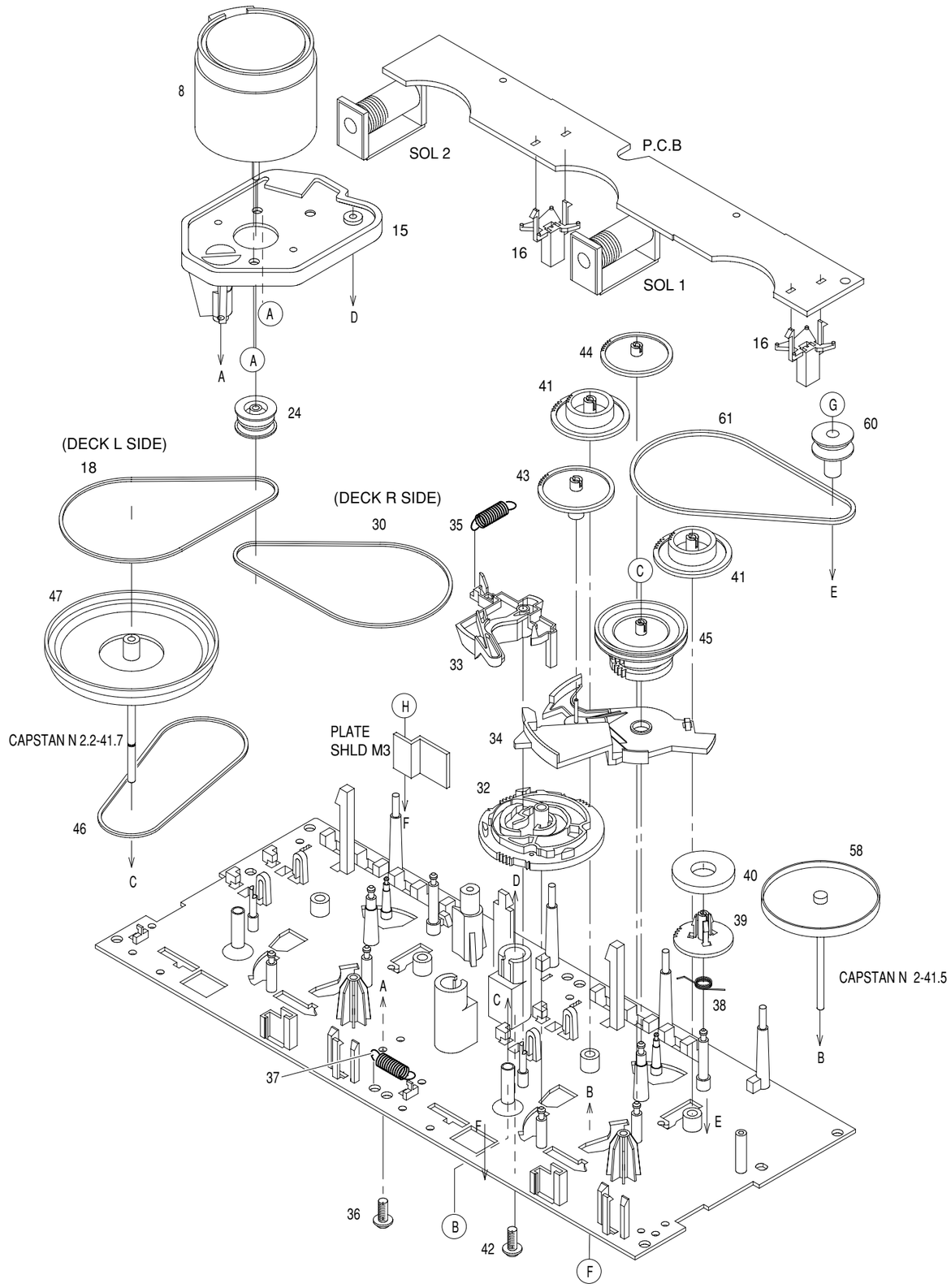
REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
36	8A-NFV-006-010		KEY,PRO
37	8A-NF8-029-010		KEY,OPEN
38	8A-NFV-005-010		KEY,MIC
39	87-NF4-216-010		HLDR,LOCK 1
40	86-NF9-224-010		SPR-C,LOCK
41	8A-NF8-206-010		HLDR,PWB M
42	87-NF4-217-110		HLDR,LOCK 2
43	8A-NF7-112-010		PANEL,RIGHT V-2
44	88-906-251-110		FF-CABLE,6P 1.25
45	84-ZG1-245-210		CAP,OPTICAL
46	8A-NFV-022-010		PANEL,REAR EZSM<EZSM>
46	8A-NFV-024-010		PANEL,REAR KSM<KSM>
47	8A-NHU-053-010		COVER, REAR H
48	87-084-077-010		NYLON RIVET, 3.5-4.5
49	87-064-185-010		HLDR,WIRE
50	8A-NF6-219-010		HLDR,FAN
51	87-A91-711-010		FAN,3110 GL-B4W,B34H
52	8A-NF6-217-010		HLDR,PWB PT
53	87-085-221-010		FOOT,H13.5
54	8A-NF7-208-010		HLDR,HT R
55	8A-NF7-207-010		HLDR,HT L
56	8A-NF7-226-010		HLDR,IC2-T2
57	8Z-NB8-254-010		COVER, PL M3
58	8Z-NB8-240-010		COVER, PL
59	87-085-185-010		BUSHING, AC CORD (E)
60	8A-NF7-209-010		HLDR,PWB-M BTM
61	87-NF4-221-010		HLDR,CABLE
⚠ 62	87-A80-143-010		AC CORD ASSY,E BLK<KSM>
⚠ 62	87-A80-092-010		AC CORD ASSY,E BLK SUN FAI<EZSM>
A	87-067-703-010		TAPPING SCREW, BVT2+3-10
B	87-NF4-224-010		S-SCREW,IT3B+3-8 CU
C	87-067-581-010		TAPPING SCREW, BVT2+3-15
D	87-067-688-010		BVTT+3-6
E	87-723-096-410		QT2+3-10W/O SLOT BL
F	87-067-641-010		UTT2+3-8(W/O SLOT)BL
G	87-078-191-010		S-SCREW,IT+4-10
H	87-721-097-410		QT2+3-12 GLD
I	87-591-095-410		TAPPING SCREW, QIT+3-8 (GLD)
J	87-067-584-010		TAPPING SCREW, BVT2+3-6
K	87-067-001-010		S-SCREW BVWWST2+3-12
L	87-067-689-010		BVTT+3-8

COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange	GM	Metallic Green
YM	Metallic Yellow	DM	Metallic Orange		

TAPE MECHANISM EXPLODED VIEW 1 / 1 <EZ, K>





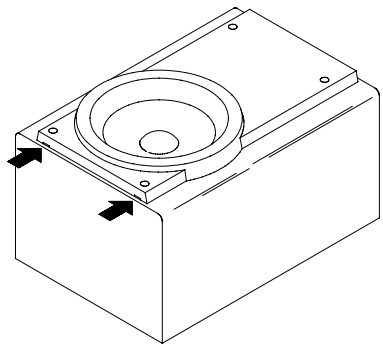
TAPE MECHANISM PARTS LIST 1 / 1 <EZ, K>

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	86-ZM3-215-010		CHAS ASSY,RS
2	86-ZM3-202-010		BASE,HEAD S
3	86-ZM3-205-010		SPR-C,RPH S
4	82-ZM1-333-210		PLATE,LINK 2
5	86-ZM3-206-010		SPR-C,EH S
6	87-A90-403-010		HEAD,RPH MS15R
7	86-ZM3-201-010		CHAS,HEAD S(DECK L)
7	82-ZM3-206-910		BELT,R
8	87-045-347-010		MOT,SHU2L 70(M1)
9	82-ZM1-269-210		SPR-T,BRG
10	82-ZM1-219-110		SPR-T,LINK
11	86-ZM3-209-010		S-SCREW,ASIMUTHS
12	86-ZM3-207-010		S-SCREW,RPH
13	87-A90-404-010		HEAD,EH LE15B
14	86-ZM3-208-010		S-SCREW,EH
15	86-ZM3-203-010		HLDR,MOTS
16	82-ZM1-245-210		HLDR,IC
17	82-ZM1-218-010		SPR-E,HB
18	86-ZM3-214-010		BELT,SUB RR
19	82-ZM1-222-210		LVR,PLAY
20	82-ZM1-217-410		REEL TABLE
21	82-ZM1-244-510		SPR-C,BT
22	82-ZM1-285-410		SPR-C,BT L
23	82-ZM1-257-010		SPR-T,CAS
24	82-ZM3-221-010		PULLEY,MOT 2M
25	82-ZM1-242-010		LVR,CAS
26	82-ZM1-243-010		LVR,STOP
27	82-ZM1-344-110		LVR ASSY,PINCH
28	86-ZM3-204-010		SPR-T,PINCHDS
29	82-ZM1-240-110		LVR,REC (DECK 2)
30	86-ZM3-210-010		BELT,RS
32	82-ZM3-305-110		GEAR,CAM M2
33	82-ZM1-227-310		LVR,TRIG
34	82-ZM3-306-110		LVR,FR M2
35	82-ZM1-265-110		SPR-E,TRIG
36	87-761-073-410		VFT2+2.6-6 W/O SLOT
37	82-ZM1-255-310		SPR-E,LVR DIR
38	82-ZM1-322-010		SPR-T,FR60
39	82-ZM1-220-210		GEAR,IDLER
40	82-ZM3-616-010		RING MAGNET 4
41	82-ZM1-216-310		GEAR,REEL
42	86-ZM3-213-010		S-SCREW,HLDR,MOT 3
43	82-ZM1-225-210		GEAR,FR
44	82-ZM1-226-010		GEAR,REW
45	82-ZM3-333-310		SLIP DISK ASSY 2
46	82-ZM1-338-010		BELT FR4
47	82-ZM1-349-010		FLY-WHL RW (DECK L)
47	82-ZM3-338-010		FLY-WHL R3W (DECK R)
48	82-ZM1-259-210		SPR-T,PINCH R
49	82-ZM1-341-110		LVR ASSY,PINCH L2
50	82-ZM1-258-210		SPR-T,PINCH L
51	82-ZM1-314-110		PLATE,HEAD
52	82-ZM1-208-310		HLDR,HEAD
53	87-A90-366-010		HEAD,PH YK50P-BF414
54	82-ZM1-207-810		GUIDE TAPE
55	82-ZM1-213-010		SPR-T,HEAD
56	82-ZM1-210-110		GEAR,HT
57	86-ZM4-206-010		S-SCREW AZIMUTH L
58	82-ZM1-348-010		FLY-WHL,LW
59	82-ZM3-339-010		SHAFT,COUPLER N3
60	82-ZM3-335-210		PULLEY,COUPLER M3
61	86-ZM1-206-010		BELT,MAIN L
62	82-ZM1-266-110		LVR,DIR
63	82-ZM1-214-010		SPR-T,DIR
A	87-251-071-410		U+2.6-4
B	80-ZM6-243-010		SH,1.75-3.6-0.5 SLT
C	82-ZM3-334-010		PW,2.16-6-0.4
D	80-ZM6-207-010		V+1.6-7
E	85-ZM3-202-010		S-SCREW TG
F	82-ZM1-288-010		SH,1.63-3.2-0.5 SLT
G	87-B10-043-010		W-P,0.99-4-0.25 SLT
H	87-571-032-410		VIT+2-3

SPEAKER DISASSEMBLY INSTRUCTIONS

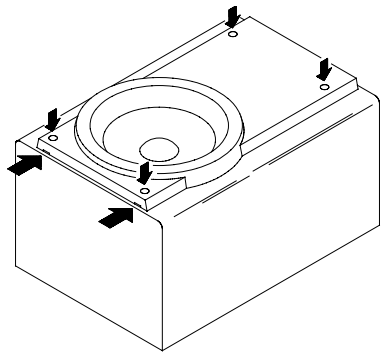
Type.1

Insert a flat-bladed screwdriver into the position indicated by the arrows and remove the panel. Remove the screws of each speaker unit and then remove the speaker units.



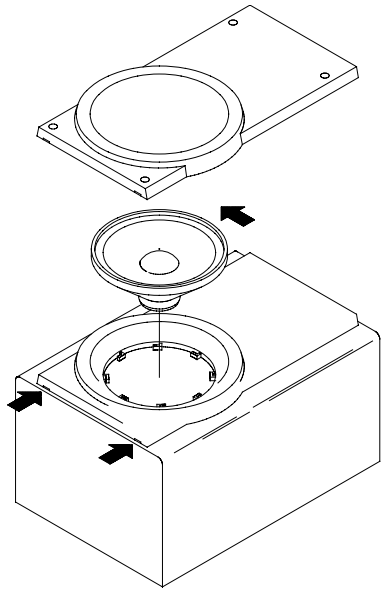
Type.2

Remove the grill frame and four pieces of rubber caps by pulling out with a flat-bladed screwdriver. Remove the screws from hole where installed rubber caps. Insert a flat-bladed screwdriver into the position indicated by the arrows and remove the panel. Remove the screws of each speaker unit and then remove the speaker units.

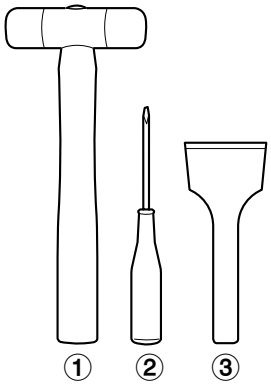


Type.3

Insert a flat-bladed screwdriver into the position indicated by the arrows and remove the panel. Turn the speaker unit to counter-clockwise direction while inserting a flat-bladed screwdriver into one of the hollows around speaker unit, and then remove the speaker unit. After replacing the speaker unit, install it turning to clockwise direction until "click" sound comes out.



Type.4



TOOLS

① Plastic head hammer
② (⊖) flat head screwdriver
③ Cut chisel

How to Remove the PANEL, FR

1. Insert the (⊖) flat head screwdriver tip into the gap between the PANEL, FR and the PANEL, SPKR. Tap the head of the (⊖) flat head screwdriver with the plastic hammer head, and create the clearance as shown in Fig-1.

2. Insert the cut chisel in the clearance, and tap the head of the cut chisel with plastic hammer as shown in Fig-2, to remove the PANEL, FR.

3. Place the speaker horizontally. Tap head of the cut chisel with plastic hammer as shown in Fig-3, and remove the PANEL, FR completely.

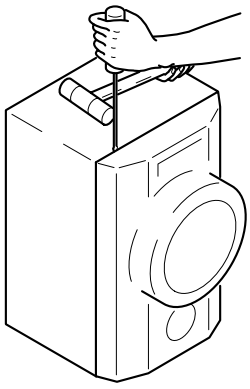


Fig-1

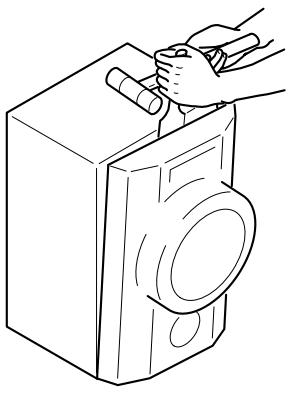


Fig-2

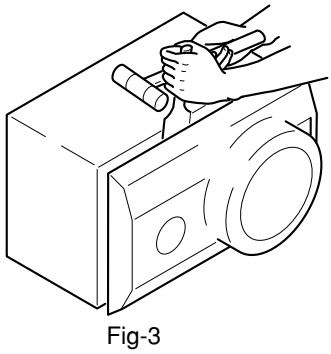


Fig-3

How to Attach the PANEL, FR

Attach the PANEL, FR to the PANEL, SPKR. Tap the four corners of the PANEL, FR with the plastic hammer to fit the PANEL, FR into the PANEL, SPKR completely.

SPEAKER PARTS LIST (SX–WNAJ50) <YLSL, YUSC9>

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8A-DS8-001-010		PANEL,FR<YLSL>
1	8A-NS8-009-010		PANEL,FR U<YLSC9>
2	8A-DS8-004-010		PANEL,DUCT
3	8A-NSA-003-010		GILLE,FRAME ASSY<YUSL>
3	8A-NS8-006-010		GILLE,FRAME ASSY U<YUSC9>
4	8A-NSJ-006-010		BADGE,AIWA S35
5	8A-DS8-009-010		PROTECTOR
6	88-NS5-610-010		CORD,SPKR
7	88-NS5-611-010		CORD,SPKR B/L
8	8Z-NSY-003-010		CORD,BUSH
9	88-NS3-029-010		CORD,BUSH L
10	8Z-NS7-602-010		SPKR,W 160
11	8Z-NSY-604-010		SPKR,M 100<YUSL>
11	8A-NS8-604-010		SPKR,M 100<YUSC9>
12	8Z-NSY-608-010		SPKR,CERAMIC ASSY

SX–C605 <YUSTNC, YUSTNL>

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	87-YS3-001-010		PANEL,FR ST
2	87-YS3-002-010		PANEL,REAR ST
3	81-VSA-009-010		CORD,BUSH
4	87-YS3-003-010		GILLE,FRAME ASSY
5	83-NSM-010-010		CORD,SPKR
6	87-YS7-602-010		SPKR,100<YUSTNC>
6	87-YS7-604-010		SPKR,100<YUSTNL>
7	87-YS7-903-010		IB,YU(ESF)0<YUSTNC>

SX–R275 <YUSTNC, YUSTNL, YUSTNP>

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	87-YS1-001-010		PANEL,REAR
2	87-YS1-004-010		GILLE,FRAME ASSY
3	81-VSA-009-010		CORD,BUSH
4	87-010-384-010		CAP,E 100-25 M SME
5	87-YS6-002-010		CORD,SPKR Y
6	87-YS6-601-010		SPKR,100
7	87-YS6-903-010		IB,YU(ESF)0<YUSTNC>
7	87-YS6-904-010		IB,YU(ESF)P<YUSTNP>
7	87-YS6-913-010		IB,YU(ESF)T<YUSTNL>

SX–NSZ52 <YLSL>

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8A-NSJ-001-010		PANEL,FR R
2	8A-NSJ-002-010		PANEL,FR L
3	8A-NSJ-003-010		GILLE,FRAME ASSY
4	87-NS7-611-010		CORD,SPKR
5	8A-NSJ-602-010		SPR,W 130
6	88-NS5-605-010		SPKR,T 60
7	88-MS1-608-010		SPKR,CERAMIC

SX–CR677 <YSTC>

NOTE: This SX-CR677 speaker contains SX-C607 (center speaker) and SX-R277 (rear speaker).

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8Z-YS1-002-010		GILLE,FRAME ASSY<277>
2	81-VSA-009-010		CORD,BUSH<277>
3	87-010-384-010		CAP,E 100-25 M SME<277>
4	87-YS6-002-010		SPKR,CORD Y<277>
5	8Z-YS1-601-010		SPKR,100<277>
6	87-YS7-012-010		PANEL,FR S<607>
7	81-VSA-009-010		CORD,BUSH<607>
8	87-YS3-003-010		GRILLE,FRAME ASSY<607>
9	83-NSM-010-010		SPKR,CORD<607>
10	87-YS7-602-010		SPKR,100<607>

SX–NDP54 <YBL>

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8A-NSV-001-010		PANEL,FR R
2	8A-NSV-002-010		PANEL,FR L
3	8A-NSV-004-010		GRILLE,FRAME ASSY R
4	8A-NSV-008-010		GRILLE,FRAME ASSY L
5	8A-NSV-012-010		PROTECTOR,TW
6	8Z-CL5-543-010		CORD,SP
7	87-NSS-602-010		SPKR,W 160
8	88-SSM-603-010		SPKR,TW 60

アイワ株式会社 〒110-8710 東京都台東区池之端1-2-11 ☎03(3827)3111 (代表)
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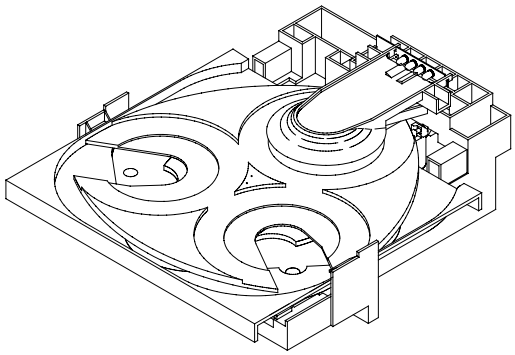
aiwa SERVICE

AZG-1

English



SERVICE MANUAL

CD-R/RW MECHANISM

BASIC CD MECHANISM:KSM-880CAB

TYPE
ZD8RD
YZD8RMDJM
ZD8RMDJM
ZD8RDNDM
YKZD8RDF
ZD8RDM
YZD8RDM
ZD8RN1DM
YZD8RDJM

aiwa

S/M Code No. 09-001-335-3N6

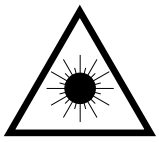
DATA

PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

This set employs laser. Therefore, be sure to follow carefully the instructions below when servicing.

WARNING!

WHEN SERVICING, DO NOT APPROACH THE LASER EXIT WITH THE EYE TOO CLOSELY. IN CASE IT IS NECESSARY TO CONFIRM LASER BEAM EMISSION. BE SURE TO OBSERVE FROM A DISTANCE OF MORE THAN 30cm FROM THE SURFACE OF THE OBJECTIVE LENS ON THE OPTICAL PICK-UP BLOCK.



- Caution: Invisible laser radiation when open and interlocks defeated avoid exposure to beam.
- Advarsel: Usynling laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

VAROITUS!

Laiteen Käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyt-täjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.

VARNING!

Om apparaten används på annat sätt än vad som specificeras i denna bruksanvising, kan användaren utsättas för osynling laserstrålning, som överskrider gränsen för laserklass 1.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

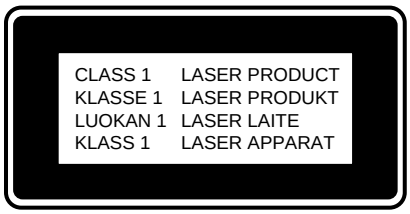
ATTENTION

L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

ADVARSEL!

Usynlig laserståling ved åbning, når sikkerhedsafbrydereer ude af funktion. Undgå udsættelse for stråling.

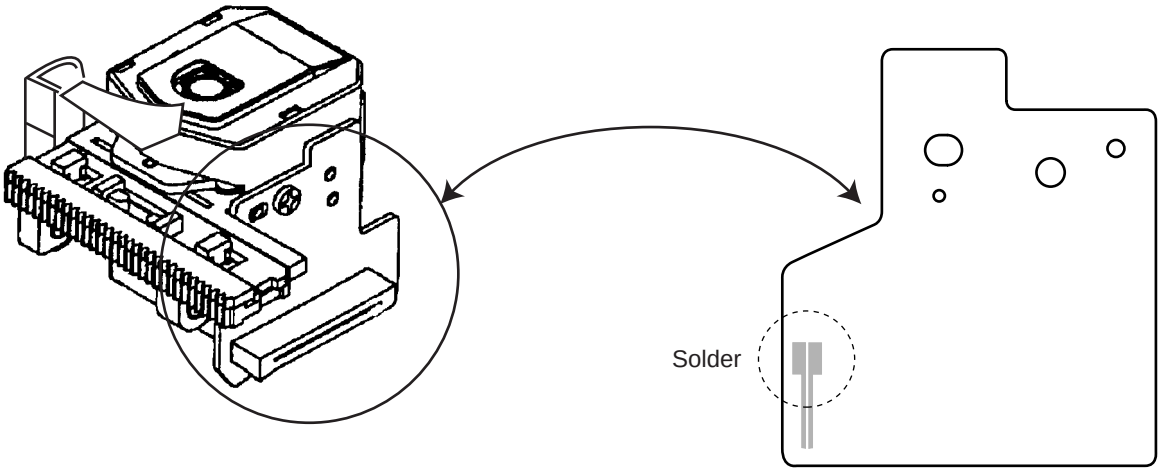
This Compact Disc player is classified as a CLASS 1 LASER product.
The CLASS 1 LASER PRODUCT label is located on the rear exterior.



Precaution to replace Optical block

Body or clothes electrostatic potential could ruin laser diode in the optical block. Be sure ground body and workbench, and use care the clothes do not touch the diode.

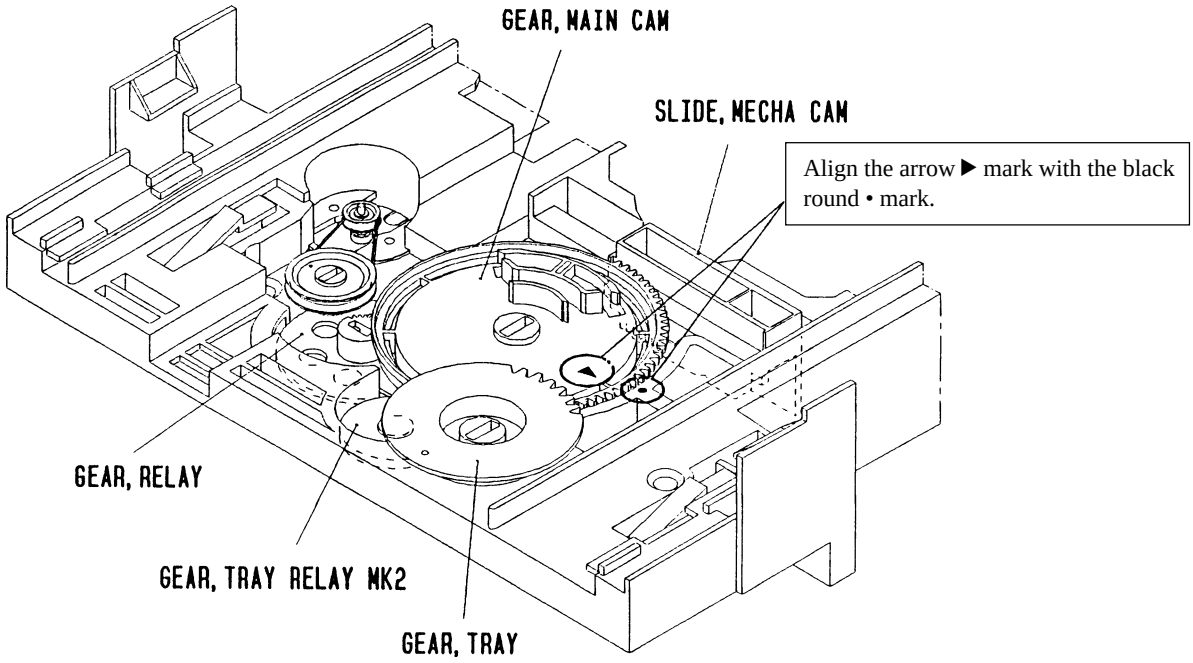
1) After the connection, remove solder shown in the figure below.



How to Adjust the Rotating Phase of the Gear, Main Cam

1) Push down the hooking catch of the CHAS. MECH, and remove the TRAY.
2) Align the arrow mark of the Gear, Main Cam with the black round mark of the CHAS, MECHA as shown below.
3) Confirm that the Slide, Mech Cam is located in the right position, then insert the TRAY gently.

Caution: If the rotating phase of the Gear, Main Cam is incorrectly adjusted, the chucking operation and tray movement will have malfunction.



ELECTRICAL MAIN PARTS LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

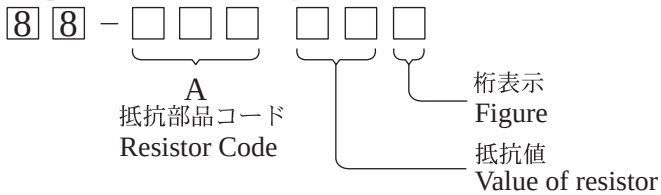
REF. NO	PART NO.	KANRI NO.	DESCRIPTION
IC			
	87-A21-381-040		C-IC,LA9235M
	87-A21-556-010		C-IC,LC78641E
	87-A21-414-010		IC,BA5927S
TRANSISTOR			
	87-026-609-080		TR,KTA1266GR
	87-A30-076-080		C-TR,2SC3052F
	87-A30-497-080		TR,2SA1980Y/G
	87-A30-087-080		C-FET,2SK2158
	87-026-237-080		CHIP-TR,DTC124XK <EXCEPT ZD8RN1DM,YZD8RDM>
	87-A30-075-080		C-TR,2SA1235F
DIODE			
	87-A40-270-080		C-DIODE,MC2838
	87-070-136-080		ZENER,MTZJ5.1B
	87-A40-003-080		ZENER,MTZJ4.3A
	87-A40-337-080		ZENER,MTZJ6.8B
	87-A40-313-080		C-DIODE,MC2840
3CD C.B			
C1	87-010-374-080		CAP,E 47-10
C2	87-010-196-020		CHIP CAPACITOR,0.1-25 <EXCEPT YKZD88RDF,ZD8RD>
C2	87-010-196-080		CHIP CAPACITOR,0.1-25 <YKZD88RDF,ZD8RD>
C3	87-010-260-080		CAP, ELECT 47-25V
C4	87-010-260-080		CAP, ELECT 47-25V
C5	87-010-197-020		CHIP CAPACITOR,0.01-25 <EXCEPT YKZD88RDF,ZD8RD>
C5	87-010-197-080		CHIP CAPACITOR,0.01-25 <YKZD88RDF,ZD8RD>
C6	87-010-405-080		CAP, ELECT 10-50V
C7	87-010-263-080		CAP, ELECT 100-10V
C8	87-012-349-080		C-CAP,S 1000P-50 CH
C10	87-010-546-080		CAP,E 0.33-50
C11	87-010-401-080		CAP, ELECT 1-50V
C13	87-010-321-020		C-CAP,S 82P-50 CH <EXCEPT YKZD88RDF,ZD8RD>
C13	87-010-321-080		C-CAP,S 82P-50 J CH <YKZD88RDF,ZD8RD>
C15	87-010-197-020		CHIP CAPACITOR,0.01-25 <EXCEPT YKZD88RDF,ZD8RD>
C15	87-010-197-080		CHIP CAPACITOR,0.01-25 <YKZD88RDF,ZD8RD>
C16	87-010-260-080		CAP, ELECT 47-25V
C101	87-010-992-080		C-CAP,S 0.047-25 B
C102	87-010-401-080		CAP, ELECT 1-50V
C103	87-010-196-020		CHIP CAPACITOR,0.1-25 <EXCEPT YKZD88RDF,ZD8RD>
C103	87-010-196-080		CHIP CAPACITOR,0.1-25 <YKZD88RDF,ZD8RD>
C104	87-010-196-020		CHIP CAPACITOR,0.1-25 <EXCEPT YKZD88RDF,ZD8RD>
C104	87-010-196-080		CHIP CAPACITOR,0.1-25 <YKZD88RDF,ZD8RD>
C105	87-010-260-080		CAP, ELECT 47-25V
C106	87-010-322-020		C-CAP,S 100P-50 CH <EXCEPT YKZD88RDF,ZD8RD>
C106	87-010-322-080		C-CAP,S 100P-50 CH <YKZD88RDF,ZD8RD>
C107	87-010-196-020		CHIP CAPACITOR,0.1-25 <EXCEPT YKZD88RDF,ZD8RD>
C107	87-010-196-080		CHIP CAPACITOR,0.1-25 <YKZD88RDF,ZD8RD>
C108	87-010-186-080		CAP,CHIP 4700P<YKZD88RDF,ZD8RD>
C108	87-010-186-020		CAP,CHIP 4700P <EXCEPT YKZD88RDF,ZD8RD>
C109	87-010-992-080		C-CAP,S 0.047-25 B
C110	87-010-196-080		CHIP CAPACITOR,0.1-25 <YKZD88RDF,ZD8RD>
C110	87-010-196-020		CHIP CAPACITOR,0.1-25 <EXCEPT YKZD88RDF,ZD8RD>
C111	87-010-260-080		CAP, ELECT 47-25V
C112	87-010-197-020		CHIP CAPACITOR,0.01-25 <EXCEPT YKZD88RDF,ZD8RD>
C112	87-010-197-080		CHIP CAPACITOR,0.01-25 <YKZD88RDF,ZD8RD>
C114	87-010-260-080		CAP, ELECT 47-25V
C115	87-010-197-080		CHIP CAPACITOR,0.01-25 <YKZD88RDF,ZD8RD>
C115	87-010-197-020		CHIP CAPACITOR,0.01-25 <EXCEPT YKZD88RDF,ZD8RD>
C116	87-010-260-080		CAP, ELECT 47-25V
C117	87-010-197-080		CHIP CAPACITOR,0.01-25 <YKZD88RDF,ZD8RD>
C117	87-010-197-020		CHIP CAPACITOR,0.01-25 <EXCEPT YKZD88RDF,ZD8RD>
C118	87-010-260-080		CAP, ELECT 47-25V
C119	87-015-819-080		
C120	87-010-312-080		C-CAP,S 15P-50 CH <YKZD88RDF,ZD8RD>
C120	87-010-312-020		C-CAP,S 15P-50 CH <EXCEPT YKZD88RDF,ZD8RD>
C121	87-010-312-020		C-CAP,S 15P-50 CH <EXCEPT YKZD88RDF,ZD8RD>
C121	87-010-312-080		C-CAP,S 15P-50 CH <YKZD88RDF,ZD8RD>
C122	87-010-404-080		CAP, ELECT 4.7-50V
C123	87-010-197-020		CHIP CAPACITOR,0.01-25 <EXCEPT YKZD88RDF,ZD8RD>
C123	87-010-197-080		CHIP CAPACITOR,0.01-25 <YKZD88RDF,ZD8RD>
C124	87-010-401-080		CAP, ELECT 1-50V
C126	87-010-196-020		CHIP CAPACITOR,0.1-25 <EXCEPT YKZD88RDF,ZD8RD>
C126	87-010-196-080		CHIP CAPACITOR,0.1-25 <YKZD88RDF,ZD8RD>
C128	87-010-196-020		CHIP CAPACITOR,0.1-25 <EXCEPT YKZD88RDF,ZD8RD>
C128	87-010-196-080		CHIP CAPACITOR,0.1-25 <YKZD88RDF,ZD8RD>
C130	87-010-196-080		CHIP CAPACITOR,0.1-25 <YKZD88RDF,ZD8RD>
C130	87-010-196-020		CHIP CAPACITOR,0.1-25 <EXCEPT YKZD88RDF,ZD8RD>
C132	87-010-405-080		CAP, ELECT 10-50V
C133	87-010-314-020		C-CAP,S 22P-50V <EXCEPT YKZD88RDF,ZD8RD>
C133	87-010-314-080		C-CAP,S 22P-50V<YKZD88RDF,ZD8RD>
C135	87-A11-088-080		CAP,TC U 100P-50 J CH
C151	87-010-405-080		CAP, ELECT 10-50V
C152	87-010-405-080		CAP, ELECT 10-50V
C192	87-012-349-080		C-CAP,S 1000P-50 CH
C193	87-010-196-080		CHIP CAPACITOR,0.1-25 <YKZD88RDF,ZD8RD>
C193	87-010-196-020		CHIP CAPACITOR,0.1-25 <EXCEPT YKZD88RDF,ZD8RD>
C201	87-A10-730-080		CAP,E 1000-16 SMG
C202	87-010-196-080		CHIP CAPACITOR,0.1-25 <YKZD88RDF,ZD8RD>
C202	87-010-196-020		CHIP CAPACITOR,0.1-25 <EXCEPT YKZD88RDF,ZD8RD>
C204	87-010-196-020		CHIP CAPACITOR,0.1-25 <EXCEPT YKZD88RDF,ZD8RD>
C204	87-010-196-080		CHIP CAPACITOR,0.1-25 <YKZD88RDF,ZD8RD>
C205	87-010-405-080		CAP, ELECT 10-50V
C206	87-010-405-080		CAP, ELECT 10-50V
C207	87-010-196-020		CHIP CAPACITOR,0.1-25 <EXCEPT YKZD88RDF,ZD8RD>

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
C207	87-010-196-080		CHIP CAPACITOR,0.1-25 <YKZD88RDF,ZD8RD>
C301	87-010-382-080		CAP, ELECT 22-25V
C302	87-010-196-020		CHIP CAPACITOR,0.1-25 <EXCEPT YKZD88RDF,ZD8RD>
C302	87-010-196-080		CHIP CAPACITOR,0.1-25 <YKZD88RDF,ZD8RD>
C303	87-010-260-080		CAP, ELECT 47-25V
C401	87-010-322-020		C-CAP,S 100P-50 CH <EXCEPT YKZD88RDF,ZD8RD>
C401	87-010-322-080		C-CAP,S 100P-50 CH <YKZD88RDF,ZD8RD>
C402	87-010-322-020		C-CAP,S 100P-50 CH <EXCEPT YKZD88RDF,ZD8RD>
C402	87-010-322-080		C-CAP,S 100P-50 CH <YKZD88RDF,ZD8RD>
C403	87-010-322-020		C-CAP,S 100P-50 CH <EXCEPT YKZD88RDF,ZD8RD>
C403	87-010-322-080		C-CAP,S 100P-50 CH <YKZD88RDF,ZD8RD>
C404	87-010-322-080		C-CAP,S 100P-50 CH <YKZD88RDF,ZD8RD>
C404	87-010-322-020		C-CAP,S 100P-50 CH <EXCEPT YKZD88RDF,ZD8RD>
C405	87-010-322-020		C-CAP,S 100P-50 CH <EXCEPT YKZD88RDF,ZD8RD>
C405	87-010-322-080		C-CAP,S 100P-50 CH <YKZD88RDF,ZD8RD>
C406	87-010-322-020		C-CAP,S 100P-50 CH <EXCEPT YKZD88RDF,ZD8RD>
C406	87-010-322-080		C-CAP,S 100P-50 CH <YKZD88RDF,ZD8RD>
C407	87-010-405-080		CAP, ELECT 10-50V
C454	87-010-196-020		CHIP CAPACITOR,0.1-25 <EXCEPT YKZD88RDF,ZD8RD>
C454	87-010-196-080		CHIP CAPACITOR,0.1-25 <YKZD88RDF,ZD8RD>
C601	87-010-260-080		CAP, ELECT 47-25V
C602	87-010-196-080		CHIP CAPACITOR,0.1-25 <YKZD88RDF,ZD8RD>
C602	87-010-196-020		CHIP CAPACITOR,0.1-25 <EXCEPT YKZD88RDF,ZD8RD>
CN1	87-A60-429-010		CONN,16P H TOC-A
CN201	84-ZG1-648-010		CONN ASSY,6P
CN202	87-A60-130-010		CONN,5P V
CN501	84-ZG1-647-010		CONN ASSY,2P <EXCEPT ZD8RN1DM,ZD8RNDM>
CN601	87-009-345-010		CONN,2P PH V <EXCEPT ZD8RN1DM,ZD8RDM,YZD8RDM,ZD8RNDM>
CON401	87-099-030-010		CONN,13P 6216H
FB601	87-008-372-080		FLTR,EMI BL01 RN1 <EXCEPT ZD8RN1DM,ZD8RDM,YZD8RDM,ZD8RNDM>
FB602	87-008-372-080		FLTR,EMI BL01 RN1
LED601	87-A40-558-010		LED,SLZ-8128A-01-A
M201	87-045-305-010		MOTOR, RF-500TB DC-5V (2MA)
SW201	87-036-109-010		SW,MICRO SPPB61
SW202	87-036-109-010		SW,MICRO SPPB61
X101	87-A70-046-010		VIB,XTAL 16.934MHZ
LED. C.B			
LED501	87-A40-263-080		LED,SLH-56PCT31 GRN <EXCEPT ZD8RN1DM,ZD8RNDM>
LED502	87-A40-263-080		LED,SLH-56PCT31 GRN <EXCEPT ZD8RN1DM,ZD8RNDM>
LED503	87-A40-268-080		LED,SLH-56DCT31 ORN <EXCEPT ZD8RN1DM,ZD8RNDM>
LED504	87-A40-268-080		LED,SLH-56DCT31 ORN <EXCEPT ZD8RN1DM,ZD8RNDM>
T-T C.B			
C401	87-018-214-080		CAP TC U 0.1-50F
CON401	86-NFZ-675-010		CONN,5P H 6216-11H
M401	87-045-364-010		MOTOR(BCH3B14)
PS401	87-026-573-010		SNSR,PHOTO GP1S53V
MOTOR C.B			
PIN3	91-564-722-110		CONN,PIN 6P
SW1	91-572-085-110		LEAF SWITCH

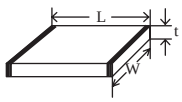
- Regarding connectors, they are not stocked as they are not the initial order items.
  The connectors are available after they are supplied from connector manufacturers upon the order is received.

○チップ抵抗部品コード／CHIP RESISTOR PART CODE

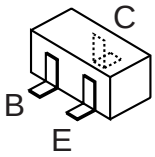
チップ抵抗部品コードの成り立ち
Chip Resistor Part Coding



チップ抵抗
Chip resistor

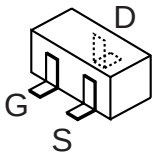
容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法／Dimensions (mm) 外形／Form	L	W	t	抵抗コード : A Resistor Code : A
1/16W	1005	± 5%	CJ		1.0	0.5	0.35	104
1/16W	1608	± 5%	CJ		1.6	0.8	0.45	108
1/10W	2125	± 5%	CJ		2	1.25	0.45	118
1/8W	3216	± 5%	CJ		3.2	1.6	0.55	128

TRANSISTOR ILLUSTRATION

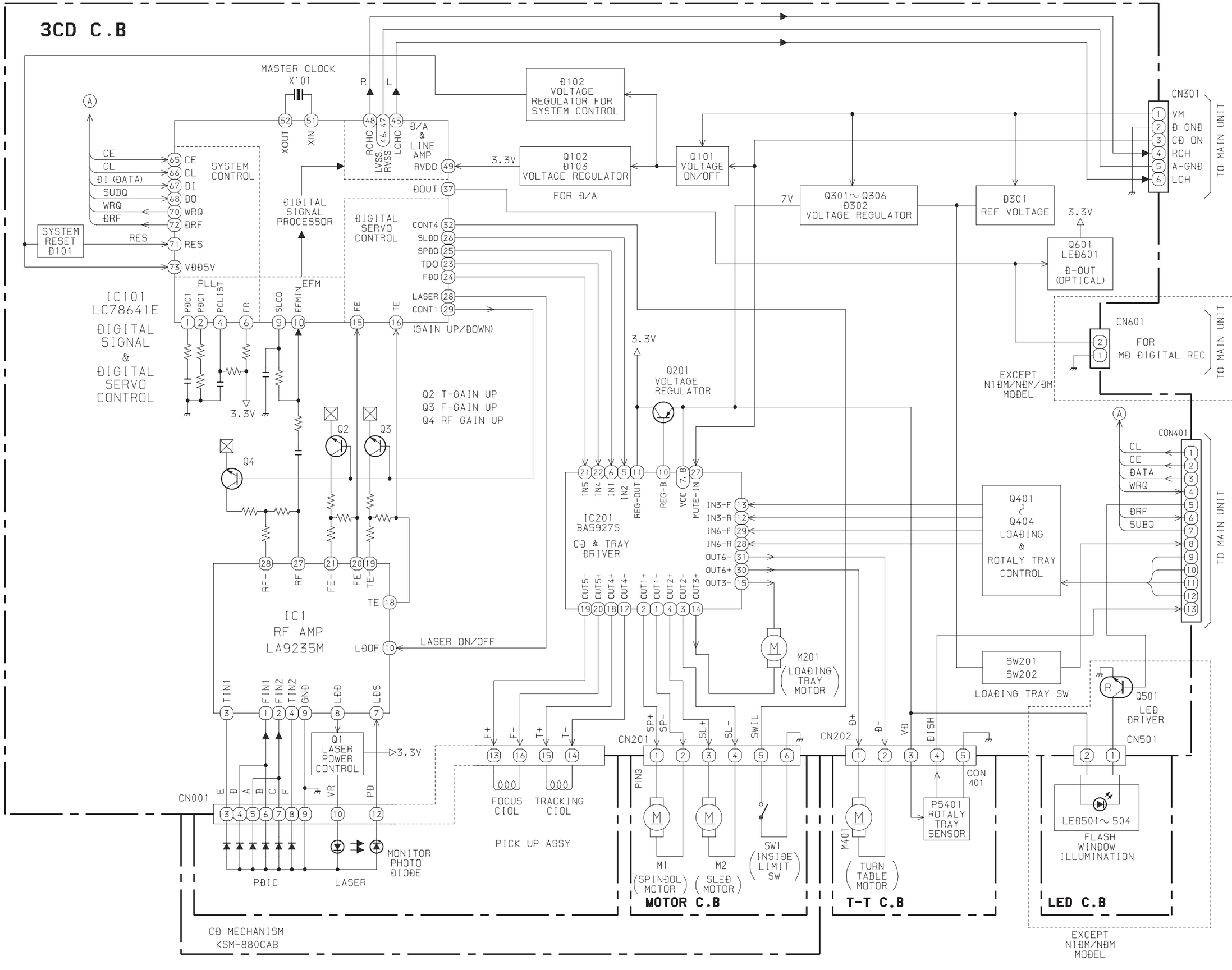


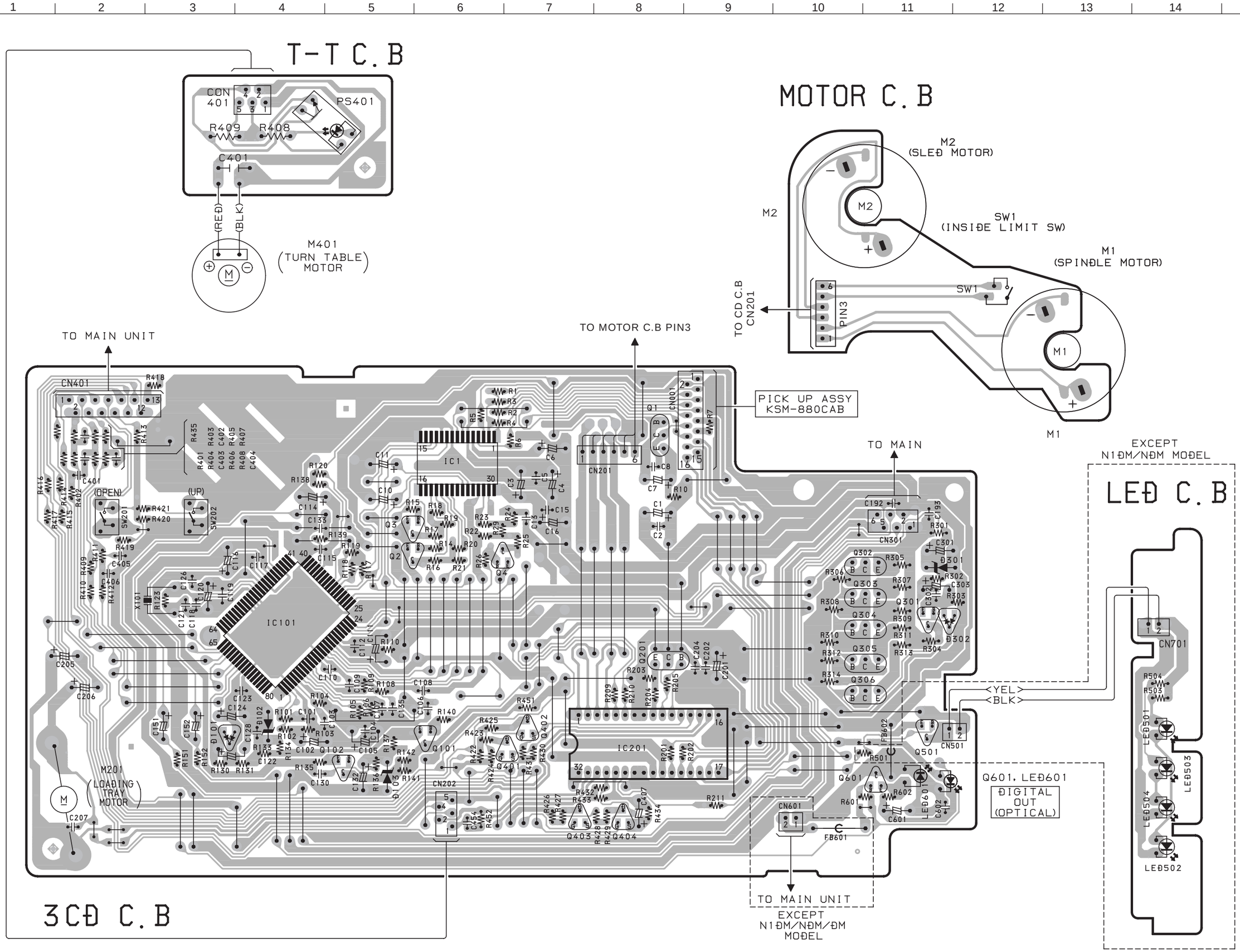
2SA1235F
2SC3052F
DTC124XK

2SA1980Y/G
KTA1266GR

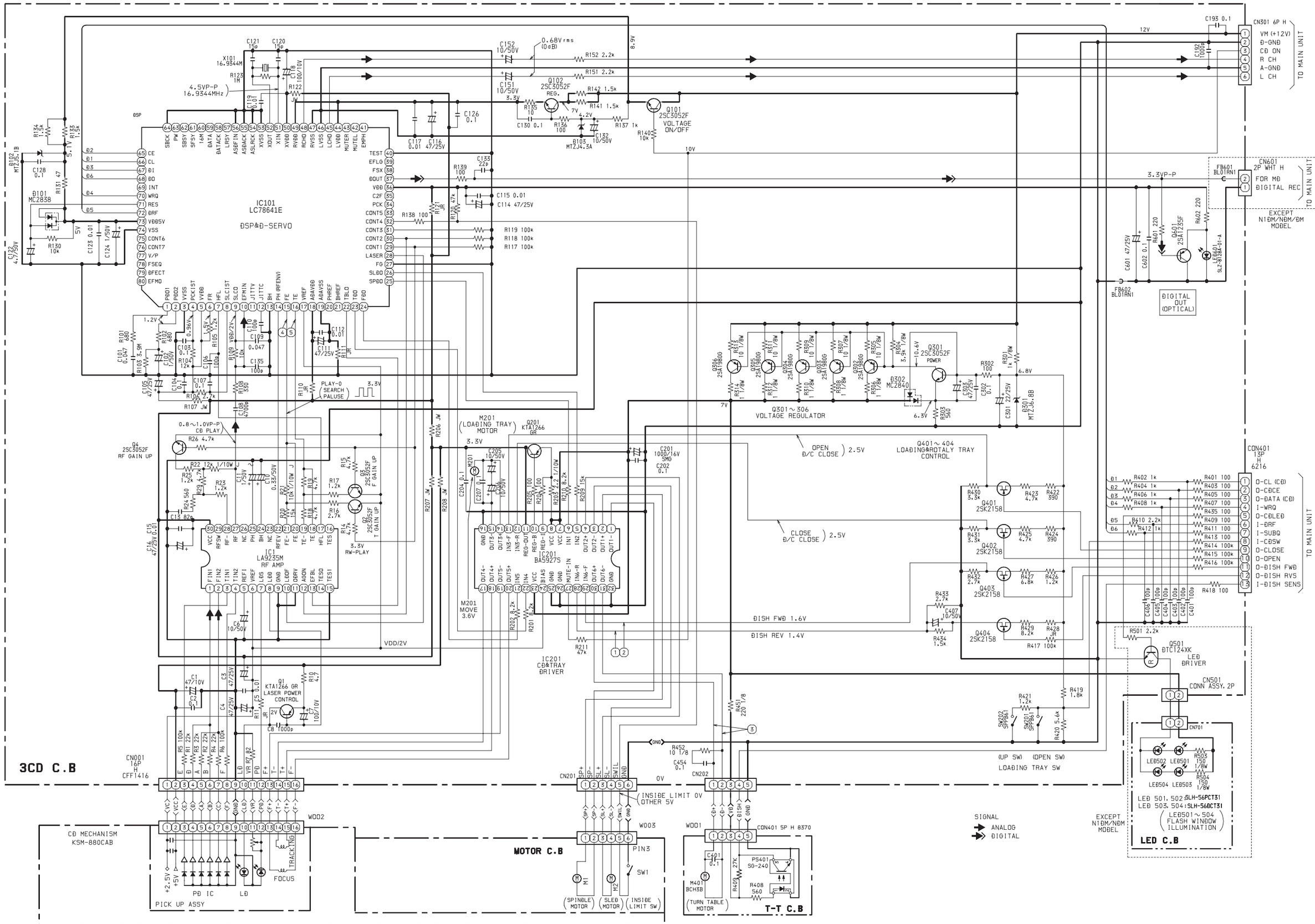


2SK2158


3CD C.B
MASTER CLOCK
X101
XOUT
XIN
R
L
RCHO
LVSS
RVSS
LCHO
Đ/A & LINE AMP
Đ102 VOLTAGE REGULATOR FOR SYSTEM CONTROL
Q102 Đ103 VOLTAGE REGULATOR
FOR Đ/A
Q101 VOLTAGE ON/OFF
3.3V
RVDD
ĐOUT
CE
CL
Đ I (ĐATA)
SUBQ
WRQ
ĐRF
RES
VĐĐ5V
SYSTEM CONTROL
SYSTEM RESET Đ101
ĐIGITAL SIGNAL PROCESSOR
ĐIGITAL SERVO CONTROL
CONT4
SLĐO
SPĐO
TDO
FĐO
LASER
CONT1
(GAIN UP/ĐOWN)
PLL
EFM
IC101
LC78641E
ĐIGITAL SIGNAL & ĐIGITAL SERVO CONTROL
PĐO1
PDO1
PCLIST
FR
SLCO
EFMIN
FE
TE
Q2 T-GAIN UP
Q3 F-GAIN UP
Q4 RF GAIN UP
Q2
Q3
Q4
Q201 VOLTAGE REGULATOR
7V
Q301~Q306 Đ302 VOLTAGE REGULATOR
Đ301 REF VOLTAGE
Q601 LEĐ601 Đ-OUT (OPTICAL)
CN301
VM
Đ-GNĐ
CĐ ON
RCH
A-GNĐ
LCH
TO MAIN UNIT
CN601
FOR MĐ ĐIGITAL REC
EXCEPT N1ĐM/NĐM/ĐM MOĐEL
CON401
CL
CE
ĐATA
WRQ
ĐRF
SUBQ
IC201
BA5927S
CĐ & TRAY ĐRIVER
IN5
IN4
IN1
IN2
REG-O
REG-B
VCC
MUTE-IN
IN3-F
IN3-R
IN6-F
IN6-R
OUT6-
OUT6+
OUT3-
OUT5-
OUT5+
OUT4+
OUT4-
OUT1+
OUT1-
OUT2+
OUT2-
OUT3+
Q401 ~ Q404 LOAĐING & ROTALY TRAY CONTROL
SW201 SW202
LOAĐING TRAY SW
M201 (LOAĐING TRAY MOTOR)
M
IC1
RF AMP
LA9235M
RF-
RF
FE-
FE
TE-
TE
LĐOF
LASER ON/OFF
TIN1
FIN1
FIN2
TIN2
GND
LĐĐ
LĐS
Q1 LASER POWER CONTROL
VR
PĐ
CN001
E
Đ
A
B
C
F
PĐIC
LASER
MONITOR PHOTO ĐIOĐE
F+
F-
T+
T-
FOCUS CIOL
TRACKING CIOL
PICK UP ASSY
CN201
SP+
SP-
SL+
SL-
SWIL
PIN3
M1 (SPINĐOL MOTOR)
M2 (SLEĐ MOTOR)
SW1 (INSIĐE LIMIT SW)
MOTOR C.B
CN202
Đ+
Đ-
VĐ
ĐISH
M401
TURN TABLE MOTOR
PS401 ROTALY TRAY SENSOR
CON 401
T-T C.B
Q501 LEĐ ĐRIVER
CN501
LEĐ501~504
FLASH WINĐOW ILLUMINATION
LED C.B
EXCEPT N1ĐM/NĐM MOĐEL
CĐ MECHANISM KSM-880CAB


T-T C.B
CON 401
PS401
R409
R408
C401
(RED)
(BLK)
M401
(TURN TABLE MOTOR)
MOTOR C.B
M2
(SLED MOTOR)
M2
SW1
(INSIDE LIMIT SW)
M1
(SPINDLE MOTOR)
SW1
PIN3
TO CD C.B
CN201
M1
TO MAIN UNIT
TO MOTOR C.B PIN3
PICK UP ASSY
KSM-880CAB
TO MAIN
EXCEPT
N1DM/NDM MODEL
LED C.B
CN401
R418
(OPEN)
(UP)
SW201
SW202
M201
(LOADING TRAY MOTOR)
IC1
IC101
IC201
CN201
CN001
CN202
CN601
CN301
CN501
CN701
Q1
Q2
Q3
Q4
Q101
Q102
Q201
Q301
Q302
Q303
Q304
Q305
Q306
Q401
Q402
Q403
Q404
Q501
Q601
FB601
FB602
X101
D101
D102
D301
D302
LED501
LED502
LED503
LED504
LED601
<YEL>
<BLK>
Q601, LED601
DIGITAL OUT (OPTICAL)
TO MAIN UNIT
EXCEPT
N1DM/NDM/DM
MODEL
3CD C.B

SCHEMATIC DIAGRAM



TEST MODE

1. How to Start the CD Test Mode

While pressing the CD function key, connect the AC power plug to wall outlet.
The test mode starts up and “CD TEST” appears on the display.

2. How to Exit the CD Test Mode

Press the POWER button or disconnect the AC power plug from wall outlet.
* When any function key other than PLAY is pressed during playback, the test mode is canceled.

3. Function and Use of the CD Test Mode

NO	MODE	How to enter the mode	Display	Operation	Check item
1	Start mode		All indicators turn on	• All FL all ndicators turn on	• FL check • Microprocessor check
2	Search mode	STOP button	CD	• LD turns on all the time • Focus search continuos operation *1 • Spindle motor continuos kick	• APC circuit check • Laser current measurement • Focus search waveform check • Focus error waveform check (Ignores DRF during search mode)
3	Play mode	PLAY button	Normal	• Normal playback • Focus search is continued if failed in TOC READ.	• Each servo circuit is checked • DRF check
4	Traverse mode	PAUSE button	Normal	• Tracking servo OFF/ON Repeats OFF/ON every time the PAUSE button is pressed	• Tracking balance check
5	Sled mode	FF button	CD TEST	• Moves PU to inner circumference *2 Kicks the lens to inner circumference at the same time	• Sled circuit check • Tracking circuit check • Mechanism operation check • PU check
		RWD button	CD TEST	• Moves PU to outer circumference *2 Kicks the lens to outer circumference at the same time	
6	Spindle mode	TAPE REC button	All indicators turn on	• Pressing the button once rotates the spindle motor in the normal direction (rough speed). Pressing the button again rotates it in the reverse direction. Pressing it again stops the motor	• Spindle circuit check • Spindle motor check
7	RF AGC mode	TUNER button	AGC ON/OFF	• Repeats ON/OFF every time the TUNER button is pressed	• PU good or defective check • RF AMP circuit check

*1 ..... When the focus search keeps running for 10 minutes or longer continuously, the driver IC heats up, and the protective circuit works so that the machine may stops operating.
In this case, turn off the main power, wait for a while and restart the machine.

*2 ..... Do not keep pressing the FF or RWD button while the pickup is located at the innermost or outermost circumference because the gear can be damaged as the sled motor keeps rotating.

4. Automatic Adjustment Result Display

The automatic adjustment values of the focus and the tracking can be displayed.

4-1. Automatic Adjustment Result Display of Focus Offset Cancel/Gain

1) Enter the start mode (all indicators turn on).
2) Press the TAPE button to display “F**” and set each of the adjustment item to either ON or OFF. (Refer to the following table.)
3) Press the PLAY button to play back the CD.
4) Press the CD button.
5) The automatic adjustment value “F** **” is displayed. (Refer to the following table.)
6) Upon completion of check, press the CD button twice to return to the play mode.

Adjustment item (ON = 1, OFF = 0)			Automatic adjustment value display (Asterisk * means hexadecimal display.)			
F	OFFSET	GAIN	F	OFFSET	—	GAIN
F	0	0	F	Not displayed	Not displayed	Not displayed
F	1	1	F	**	Not displayed	**
F	1	0	F	**	Not displayed	Not displayed
F	0	1	F	Not displayed	Not displayed	**

4-2. Automatic Adjustment Result Display of Tracking Offset Cancel/Balance/Gain

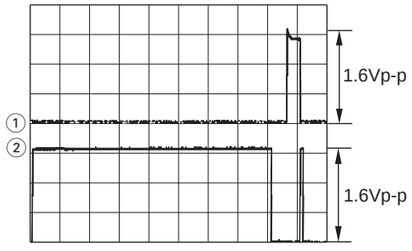
1) Enter the start mode (all indicators turn on).
2) Press the AUX button to display “T***” and set each adjustment item to either ON or OFF. (Refer to the following table.)
3) Press the PLAY button to play back the CD.
4) Press the CD button twice.
5) The automatic adjustment value “F******” is displayed. (Refer to the following table.)
6) Upon completion of check, press the CD button to return to the play mode.

Adjustment item (ON = 1, OFF = 0)				Automatic adjustment value display (Asterisk * means hexadecimal display.)			
T	OFFSET	BALANCE	GAIN	T	OFFSET	BALANCE	GAIN
T	0	0	0	T	Not displayed	Not displayed	Not displayed
T	1	1	1	T	**	**	**
T	1	1	0	T	**	**	Not displayed
T	1	0	1	T	**	Not displayed	**
T	1	0	0	T	**	Not displayed	Not displayed
T	0	1	1	T	Not displayed	**	**
T	0	1	0	T	Not displayed	**	Not displayed
T	0	0	1	T	Not displayed	Not displayed	**

WAVE FORM

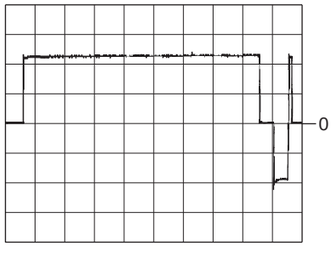
① IC201 ㉘ (IN6-R)
② IC201 ㉙ (IN6-F)

VOLT/DIV: 500mV
TIME/DIV: 200mS



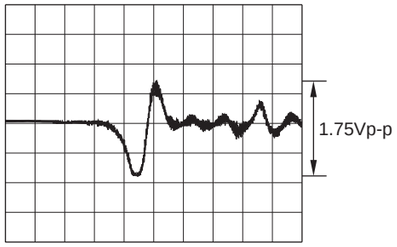
③ Between CN202 ① and ②
(② Pin: 0 Level)

VOLT/DIV: 1V
TIME/DIV: 200mS



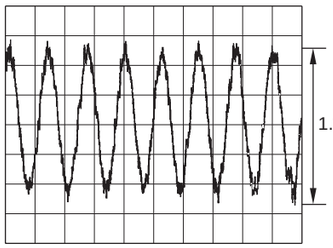
④ IC101 ⑮ (FE)

VOLT/DIV: 500mV
TIME/DIV: 2mS



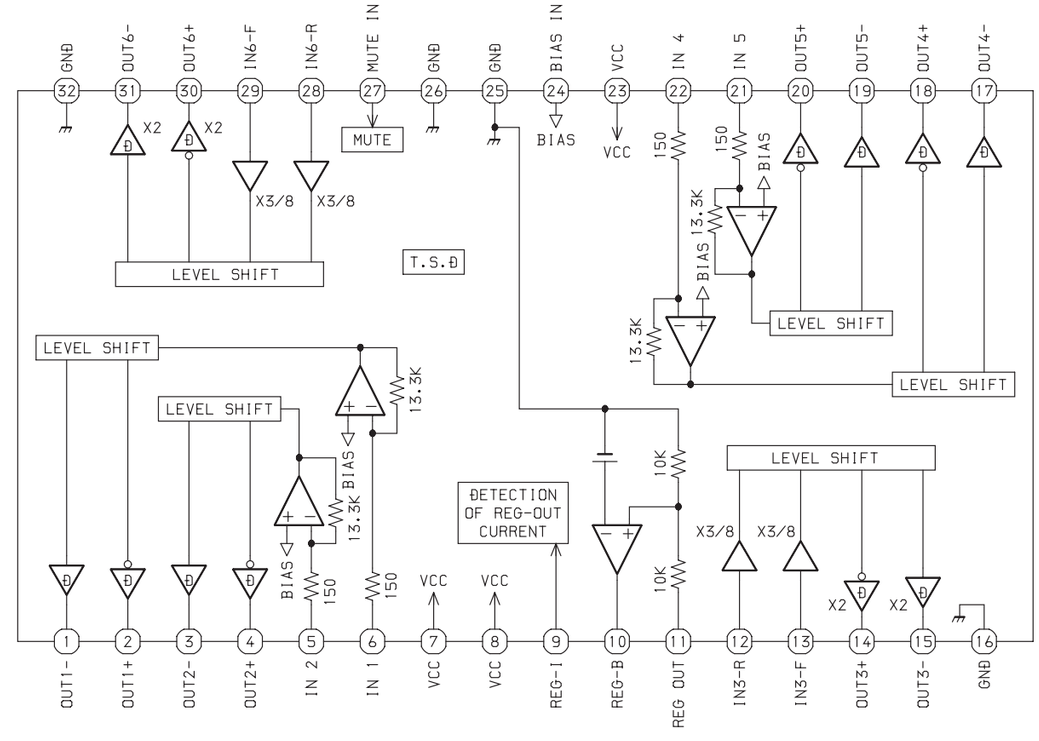
⑤ IC101 ⑯ (TE)

VOLT/DIV: 200mV
TIME/DIV: 200µS

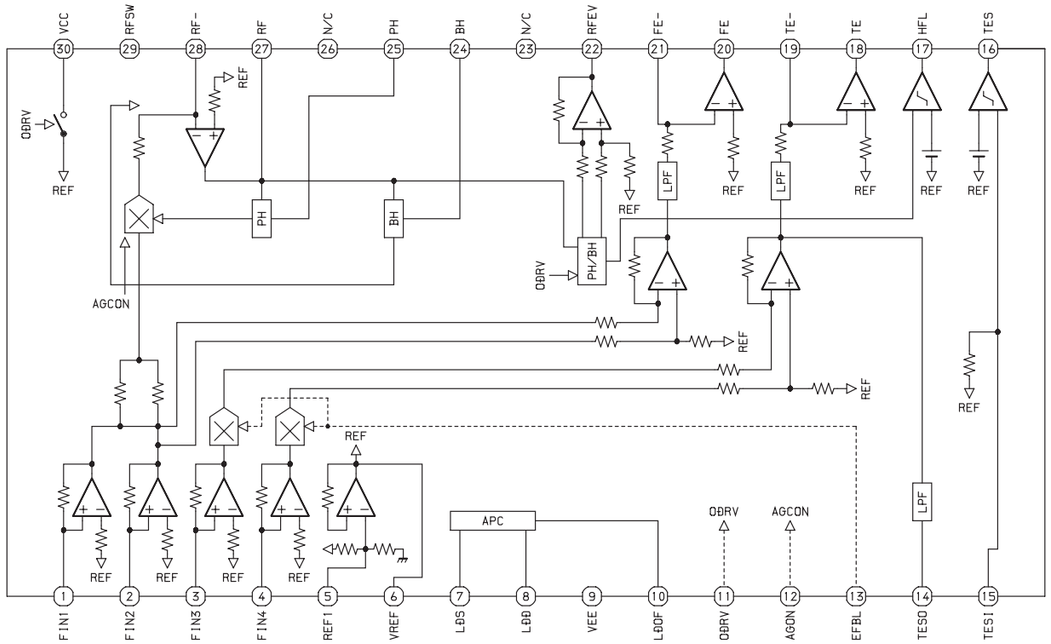


IC BLOCK DIAGRAM

IC, BA5927S



IC, LA9235M



IC DESCRIPTION

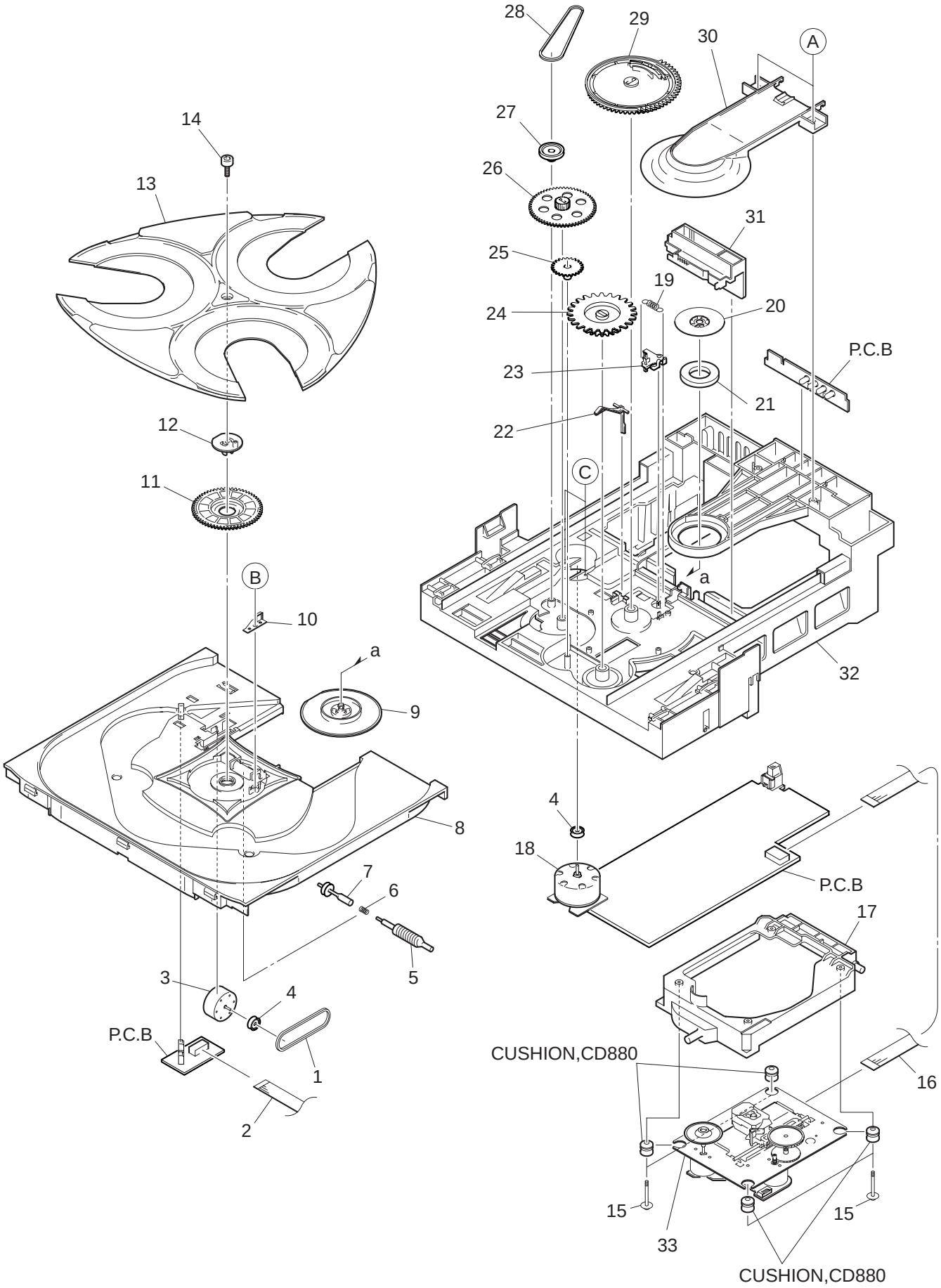
IC, LC78641E

Pin No.	Pin Name	I/O	Description
1	PDO1	O	Internal VCO control phase comparator output pin. (Pull down)
2	PDO2	O	Internal VCO control phase comparator output pin. OFF for rough servo, ON for phase servo. (Pull down)
3	VVSS	—	Internal VCO ground pin.
4	PCKIST	—	PDO output current adjustment resistor connection pin.
5	VVDD	—	Internal VCO power supply pin.
6	FR	—	VCO frequency range adjustment resistor connection pin. (Pull up)
7	HFL	I	Mirror detection signal input pin.
8	SLCIST	—	SLCO output current adjustment resistor connection pin.
9	SLCO	O	Control output.
10	EFMIN	I	EFM signal input pin.
11	JITTV	O	Jitter detection monitor pin.
12	JITTC	O	Jitter detection adjustment pin. (Pull down)
13	BH	I	BH signal input pin. (Connected to GND)
14	PH (RFENV)	I	PH signal or RFENV signal input pin.
15	FE	I	FE signal input pin.
16	TE	I	TE signal input pin.
17	VREF	I	VREF input pin.
18	ADAVDD	—	Servo A/D, D/A power supply pin.
19	ADAVSS	—	Servo A/D, D/A ground pin.
20	PHREF	O	PH reference output pin. (Not connected)
21	BHREF	O	BH reference output pin. (Not connected)
22	TBLO	O	Tracking balance output pin.
23	TDO	O	Tracking control output pin.
24	FDO	O	Focus control output pin.
25	SPDO	O	Spindle control output pin.
26	SLDO	O	Thread control output pin.
27	DVREF/FG	I/O	Output driver VREF output pin. FG signal input pin. (Connected to GND)
28	LASER	O	Laser ON/OFF control pin.
29	CONT1	I/O	General-purpose input/output pin 1. (Connected to GND)
30	CONT2	I/O	General-purpose input/output pin 2. (Connected to GND)
31	CONT3	I/O	General-purpose input/output pin 3. (Connected to GND)
32	CONT4	I/O	General-purpose input/output pin 4.
33	CONT5	I/O	General-purpose input/output pin 5. (Not connected)
34	PCK	O	EFM data playback clock monitor pin. Average 4.3218MHz when the phase is locked. (Not connected)
35	C2F	O	C2 flag output pin. (Not connected)
36	VDD	—	Digital power supply pin.
37	DOUT	O	Digital out output pin. (EIAJ format)
38	FSX	O	Output pin for the 7.35kHz synchronization signal divided from the crystal oscillator. (Not connected)

Pin No.	Pin Name	I/O	Description
39	EFLG	O	C1, C2 error correction monitor pin. (Not connected)
40	TEST	I	Test input pin. (Connected to GND)
41	EMPH	I/O	Emphasis pin. Which becomes an input pin after reset and can be controlled externally. This becomes an emphasis monitor pin under control by command. (Not connected)
42	MUTEL	O	L channel mute output pin. (Not connected)
43	MUTER	O	R channel mute output pin. (Not connected)
44	LVDD	—	L channel power supply pin.
45	LCHO	O	L channel output pin.
46	LVSS	—	L channel ground pin.
47	RVSS	—	R channel ground pin.
48	RCHO	O	R channel output pin.
49	RVDD	—	R channel power supply pin.
50	XVDD	—	Crystal oscillator power supply pin.
51	XIN	I	Connections for a 16.9344MHz crystal oscillator pin.
52	XOUT	O	
53	XVSS	—	Crystal oscillator ground pin.
54	ASLRCK	I	L/R clock input pin. (Connected to GND)
55	ASDACK	I	Bit clock input pin. (Connected to GND)
56	ASDFIN	I	L/R channel data input pin. (Connected to GND)
57	LRSY	O	L/R clock output pin. (Not connected)
58	DATACK	O	Bit clock output pin. (Not connected)
59	DATA	O	L/R channel data output pin. (Not connected)
60	16M	O	16.9344MHz output pin. (Not connected)
61	SFSY	O	Subcode frame synchronization signal output pin. This signal falls when the subcode is in the standby state. (Not connected)
62	SBSY	O	Subcode clock synchronization signal output pin. (Not connected)
63	PW	O	Subcode P, Q, R, S, T, U and W output pin. (Not connected)
64	SBCK	I	Subcode readout clock input pin. (Connected to GND)
65	CE	I	Chip enable signal input pin.
66	CL	I	Data transfer clock input pin.
67	DI	I	Data input pin.
68	DO	O	Data output pin.
69	INT	O	Interruption signal output pin. (Not connected)
70	WRQ	O	Interruption signal output pin.
71	RES	I	Reset input pin. This pin must be set low briefly after power is first applied.
72	DRF	O	Focus ON detect pin.
73	VDD5V	—	Microprocessor interface power supply.
74	VSS	—	Digital ground pin.
75	CONT6	I/O	General-purpose input/output pin 6.
76	CONT7	I/O	General-purpose input/output pin 7.
77	V/P	O	Rough servo/phase control automatic switching monitor output pin. “H” for rough servo and “L” for phase servo. (Not connected)

Pin No.	Pin Name	I/O	Description
78	FSEQ	O	Synchronization signal detection output pin. Outputs a high level when the synchronization signal detected from the EFM signal and the internally generated synchronization signal agree. (Not connected)
79	DEFECT	I/O	Defect pin. Which becomes an input pin after reset and can be controlled externally. This becomes the defect monitor pin under control by command. (Not connected)
80	EFMO	O	EFM signal output pin. (Not connected)

MECHANICAL EXPLODED VIEW 1/1



MECHANICAL PARTS LIST 1/1

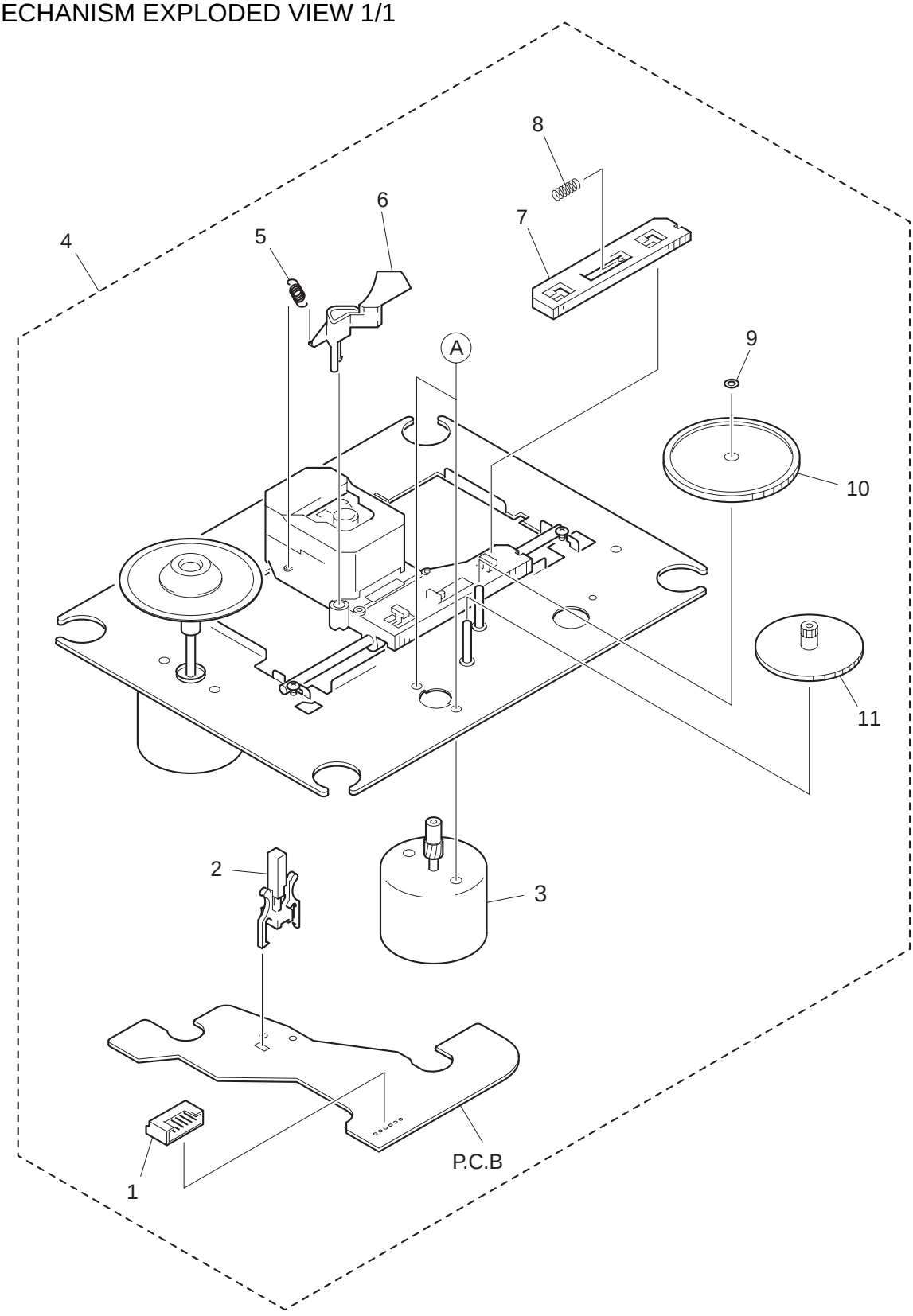
DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	84-ZG1-225-010		BELT,SQ1.0-63.3
2	84-ZG1-673-010		F-CABLE,5P 1.25 210MM BLACK N <EXCEPT ZD8RN1DM,ZD8RNDM>
2	84-ZG1-672-010		F-CABLE,5P 1.25 210MM WHITE N <ZD8RN1DM,ZD8RNDM>
3	87-045-364-010		MOTOR(BCH3B14)
4	84-ZG1-267-010		PULLEY,LOAD MO 8 <EXCEPT YKZD8RDF,ZD8RD>
4	81-ZG1-212-010		PULLY,LOAD MO<YKZD8RDF,ZD8RD>
5	84-ZG1-238-010		GEAR,WORM N
6	84-ZG1-248-010		SPR-C,WORM
7	84-ZG1-239-210		PULLY,WORM N
8	84-ZG1-008-210		TRAY,NO3<ZD8RD>
8	8A-ZG1-001-010		TRAY,NO3 BLU<EXCEPT ZD8RD>
9	8A-ZG1-210-010		HLDR,MAGNET 23<YKZD8RDF>
9	84-ZG1-243-210		HLDR,MAGNET N(J) <YZD8RDJM,ZD8RMDJM,YZD8RMDJM>
9	84-ZG1-289-010		HLDR,MAGNET NAT<ZD8RNDM>
9	81-ZG1-277-310		HLDR,MAGNET N <ZD8RN1DM,ZD8RDM,YZD8RDM,ZD8RD>
10	84-ZG1-259-010		SPR-P,WORM
11	84-ZG1-221-010		GEAR,MAIN TT<YKZD8RDF>
11	84-ZG1-269-010		GEAR,MAIN TT 4<EXCEPT YKZD8RDF>
12	84-ZG1-224-010		LEVER,TT<EXCEPT ZD8RNDM>
12	84-ZG1-288-010		LEVER,TT NAT<ZD8RNDM>
13	8A-ZG1-002-010		TURN TABLE,NO1 BLU<EXCEPT ZD8RD>
13	84-ZG1-005-210		TURNTABLE,NO1(*)<ZD8RD>
14	81-ZG1-239-010		S-SCREW,TT
15	8A-ZG1-201-010		S-SCREW,MECH 880
16	85-NFT-611-110		FF-CABLE 16P-1.0
17	84-ZG1-299-210		HLDR,MECHA NO3<EXCEPT ZD8RNDM>
17	8A-ZG1-203-010		HLDR,MECHA NO3 NAT<ZD8RNDM>
18	87-045-305-010		MOTOR, RF-500TB DC-5V (2MA)
19	84-ZG1-211-010		SPR-E CAM S
20	84-ZG1-285-010		PLATE,MAGNET BLK<ZD8RN1DM>
20	81-ZG1-255-110		PLATE,MAGNET MK2<EXCEPT ZD8RN1DM>
21	83-ZG3-604-010		RING,MAG 2
22	83-ZG3-213-010		LVR,SW
23	84-ZG1-208-210		LEVER,CAM<YKZD8RDF>
23	84-ZG1-266-010		LEVER,CAN 8<EXCEPT YKZD8RDF>
24	84-ZG1-205-210		GEAR,TRAY (*)
25	81-ZG1-291-110		GEAR,TRAY RELAY NO3
26	84-ZG1-206-110		GEAR,RELAY<YKZD8RDF>
26	84-ZG1-274-010		GEAR,RELAY 8<EXCEPT YKZD8RDF>
27	84-ZG1-207-010		PULLEY,RELAY
28	84-ZG1-209-010		BELT,SQ1.8-117.7
29	84-ZG1-203-410		GEAR,MAIN CAM<ZD8RNDM>
29	84-ZG1-215-410		GEAR,MAIN CAM BLU<EXCEPT ZD8RNDM>
30	84-ZG1-011-010		REFLECTOR,CD <EXCEPT ZD8RN1DM,ZD8RNDM>
31	84-ZG1-216-310		SLIDE,MECHA CAM YEL <EXCEPT ZD8RNDM>
31	84-ZG1-204-310		SLIDER,MECHA CAM<ZD8RNDM>
32	84-ZG1-286-010		CHAS,MECHA NAT<ZD8RNDM>
32	84-ZG1-201-410		CHAS,MECHA<EXCEPT ZD8RNDM>
33	M8-ZZK-C90-070		KSM-880CAB
A	87-067-703-010		TAPPING SCREW, BVT2+3-10 <EXCEPT ZD8RN1DM,ZD8RNDM>
B	87-067-981-010		BVT2+3-6 BLK
C	87-251-070-410		U+2.6-3

COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange		

CD MECHANISM EXPLODED VIEW 1/1



CD MECHANISM PARTS LIST 1/1

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REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	91-564-722-110		CONN,PIN 6P
2	91-572-085-110		LEAF SWITCH
3	9X-264-655-010		SL MOTORR ASSY
4	M8-ZZK-C90-070		KSM-880CAB
5	92-647-416-020		SPRING EXTENSION
6	92-647-595-020		SHUTTER B
7	92-647-732-010		NS SLIDE RACK
8	92-647-742-010		SPRING COMPRESSION
9	93-321-813-110		POLI WASHER
10	92-647-407-010		GEAR A
11	92-647-408-020		GEAR B
A	93-713-786-510		SCREW,+P2-3

REFERENCE NAME LIST

ELECTRICAL SECTION

DESCRIPTION	REFERENCE NAME
ANT	ANTENNAS
C-	CHIP
C-CAP	CAP, CHIP
C-CAP TN	CAP, CHIP TANTALUM
C-COIL	COIL, CHIP
C-DI	DIODE, CHIP
C-DIODE	DIODE, CHIP
C-FET	FET, CHIP
C-FOTR	FILTER, CHIP
C-JACK	JACK, CHIP
C-LED	LED, CHIP
C-RES	RES, CHIP
C-SFR	SFR, CHIP
C-SLIDE SW	SLIDE SWITCH, CHIP
C-SW	SWITCH, CHIP
C-TR	TRANSISTOR, CHIP
C-VR	VOLUME, CHIP
C-ZENER	ZENER, CHIP
CAP, CER	CAP, CERA-SOL
CAP, E	CAP, ELECT
CAP, M/F	CAP, FILM
CAP, TC	CAP, CERA-SOL
CAP, TC-U	CAP, CERA-SOL SS
CAP, TN	CAP, TANTALUM
CERA FIL	FILTER, CERAMIC
CF	FILTER, CERAMIC
DL	DELAY LINE
E/CAP	CAP, ELECT
FILT	FILTER
FLTR	FILTER
FUSE RES	RES, FUSE
MOT	MOTOR
P-DIODE	PHOTO DIODE
P-SNSR	PHOTO SENSER
P-TR	PHOTO TRANSISTOR
POLY VARI	VARIABLE CAPACITOR
PPCAP	CAP, PP
PT	POWER TRANSFORMER
PTR, RES	PTR, MELF
RC	REMOTE CONTROLLER
RES NF	RES, NON-FLAMMABLE
RESO	RESONATOR
SHLD	SHIELD
SOL	SOLENOID
SPKR	SPEAKER
SW, LVR	SWITCH, LEVER
SW, RTRY	SWITCH, ROTARY
SW, SL	SWITCH, SLIDE
TC CAP	CAP, CERA-SOL
THMS	THERMISTOR
TR	TRANSISTOR
TRIMMER	CAP, TRIMMER
TUN-CAP	VARIABLE CAPACITOR
VIB, CER	RESONATOR, CERAMIC
VIB, XTAL	RESONATOR, CRYSTAL
VR	VOLUME
ZENER	DIODE, ZENER

MECHANICAL SECTION

DESCRIPTION	REFERENCE NAME
ADHESHIVE	SHEET ADHESHIVE
AZ	AZIMUTH
BAR-ANT	BAR-ANTENNA
BAT	BATTERY
BATT	BATTERY
BRG	BEARING
BTN	BUTTON
CAB	CABINET
CASS	CASSETTE
CHAS	CHASSIS
CLR	COLLAR
CONT	CONTROL
CRSR	CURSOR
CU	CUSHION
CUSH	CUSHION
DIR	DIRECTION
DUBB	DUBBING
FL	FRONT LOADING
FLY-WHL	FLYWHEEL
FR	FRONT
FUN	FUNCTION
G-CU	G-CUSHION
HDL	HANDOL
HIMERON	CLOTH
HINGE, BAT	HINGE, BATTERY
HLDR	HOLDER
HT-SINK	HEAT SINK
IB	INSTRUCTION BOOKLET
IDLE	IDLER
IND, L-R	INDICATOR, L-R
KEY, CONT	KEY, CONTROL
KEY, PRGM	KEY, PROGRAM
KNOB, SL	KNOB, SLIDE
LBL	LABEL
LID, BATT	LID, BATTERY
LID, CASS	LID, CASSETTE
LVR	LEVER
P-SP	P-SPRING
PANEL, CONT	PANEL, CONTROL
PANEL, FR	PANEL, FRONT
PRGM	PROGRAM
PULLY, LOAD MO	PULLY, LOAD MOTOR
RBN	RIBBON
S-	SPECIAL
SEG	SEGMENT
SH	SHEET
SHLD-SH	SHIELD-SHEET
SL	SLIDE
SP	SPRING
SP-SCREW	SPECIAL-SCREW
SPACER, BAT	SPACER, BATTERY
SPR	SPRING
SPR-P	P-SPRING
SPR-PC-PUSH	P-SPRING, C-PUSH
T-SP	T-SPRING
TERM	TERMINAL
TRIG	TRIGGER
TUN	TUNING
VOL	VOLUME
W	WASHER
WHL	WHEEL
WORM-WHL	WORM-WHEEL

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